Section
G
PART No. 1

Model 10
Highway Crossing Signal Assemblies

WESTERN RAILROAD SUPPLY COMPANY
MANUFACTURERS

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SECTION G, PART NO. 1

Model 10 Highway Crossing Signal

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Model 10 Signals

ASSEMBLIES

The Model 10 Signal assemblies, for which ordering reference data is given in this catalog section, are those most commonly used to meet the conditions encountered in the vast majority of locations. Special assemblies can be arranged to meet various unusual requirements. These may include extension brackets to position the flashing lights so as to project the light beams along side streets, or other necessary features required by the circumstances. Several of the special assemblies that have been supplied are illustrated on Page 73.

In standard Model 10 Signal assemblies the signs, flashing lights and mechanism are mounted on one 5 inch pipe mast with junction-box type base and a bell or pinnacle. Where cantilever type flashing light signals are required, the gate mechanism and gate arm are frequently mounted on a separate short mast located between the cantilever signal and the track, often on a common concrete foundation. However, where clearance does not permit this arrangement, assemblies with offset cantilever brackets are supplied as illustrated on Pages 60 and 61.

Our Engineering Department is at all times glad to cooperate in the design of special assemblies to meet unusual conditions. Given scale plans or details of a crossing, or crossings, where standard assemblies do not meet the requirements, we will furnish drawings illustrating the arrangement recommended.

MECHANISMS

Two types of mechanism are available for operation of roadway gate arms, as illustrated on Pages 6 and 7. The Type 3564 mechanism is provided in two forms: (1) Types 3564-71 or 3564-72, to operate the gate arm to the clear, 90°, position by power and from the clear to the horizontal position by gravity; (2) Types 3564-131 or 3564-132, to operate the gate arm to the clear, 90°, position by power and from the clear position to the 45° position, descending, by power and from the 45° position to the horizontal position by gravity. The characteristics and a full description of the Type 3564 mechanism will be found in Instruction Booklet Form 3564D-50, or later issue.

The Type 3566 mechanism is provided in one form but may be so connected to the control circuits as to operate the gate arm by power from the horizontal position to the clear, 90°, position and by gravity from the clear to the horizontal position, or so connected as to operate the gate arm to the

clear position by power, from the clear position to the 45° position, descending, by power and from the 45° position to the horizontal position by gravity. The characteristics and a full description of the Type 3566 mechanism will be found in Instruction Booklet Form 3566-50, or later issue.

Each of the above mechanisms may be had with one shaft for the operation of a roadway arm only or with two shafts for operation of both roadway and sidewalk arms.

All mechanisms are provided with auxiliary circuit controller contacts for indication of gate arm position, for flashing and gate arm light control, to stop the bell from ringing after the gate arm is down, etc.

A smaller Type 3561 mechanism for operation of a sidewalk arm only is also available. Assemblies as shown on Plate G185, using this mechanism, are often required, where the Model 10 Signals are equipped with sidewalk arms, to provide pedestrian protection of the "leaving" side of the track where no roadway arm is wanted.

The same gate arms and fittings are used with either Type 3564 or Type 3566 mechanism. The counterweight and gate support arms for roadway arms attach to the splined mechanism shaft. The sidewalk arm support casting, when used, attaches to a square shaft extending, normally, from the right or track side of the mechanism. This sidewalk arm operating shaft and internal actuating gear is supplied only when specified.

COUNTERWEIGHTING AND GATE ARM TORQUE

Whether or not the mechanism is of the powered-down type, the counterweights supplied with each Model 10 Signal are of proper weight to provide down torque required for proper operation of the gate arm from clear to horizontal position by gravity. The counterweights and mounting arrangement are so designed that they may be adjusted as required, without dismantling, to obtain proper horizontal and clear position torque values.

Proper counterweighting and torque values are essential elements of Model 10 Signal design. Recommended torque values based on experience, tests and calculations of wind resistance, for gate arms of various lengths, are given in tables in instruction booklets furnished with each mechanism.

GENERAL

Model 10 Signals meet, in every respect, the specifications and requirements of the Association of American Railroads, Signal Section, and of every

State having specifications or regulations applying to grade-crossing protection, as well as those of the Board of Transport Commissioners for Canada.

They are especially designed for automatic control by approaching trains and for manual supervision imposed upon automatic control, but are also well adapted to straight manual control.

Suggested circuits for the automatic control of Model 10 Signals are shown in the instruction booklets. These follow the principles and recommended practices of the Association of American Railroads, Signal Section, and embody the use only of relays and other devices meeting the specifications and requirements of that organization.

Contributing largely to the instant success of the automatic operation of the Model 10 Signal, when first introduced in June 1936, was the provision of a prewarning by flashing lights for a period of 3 to 5 seconds before the gate arm starts to descend and the slow, even descent of the gate arm to the horizontal position in a period of 10 to 15 seconds. Even when these signals are manually controlled this prewarning period is retained. This allows ample time for highway traffic to pass the gate after the lights start to flash, or to come to a stop before reaching the gate.

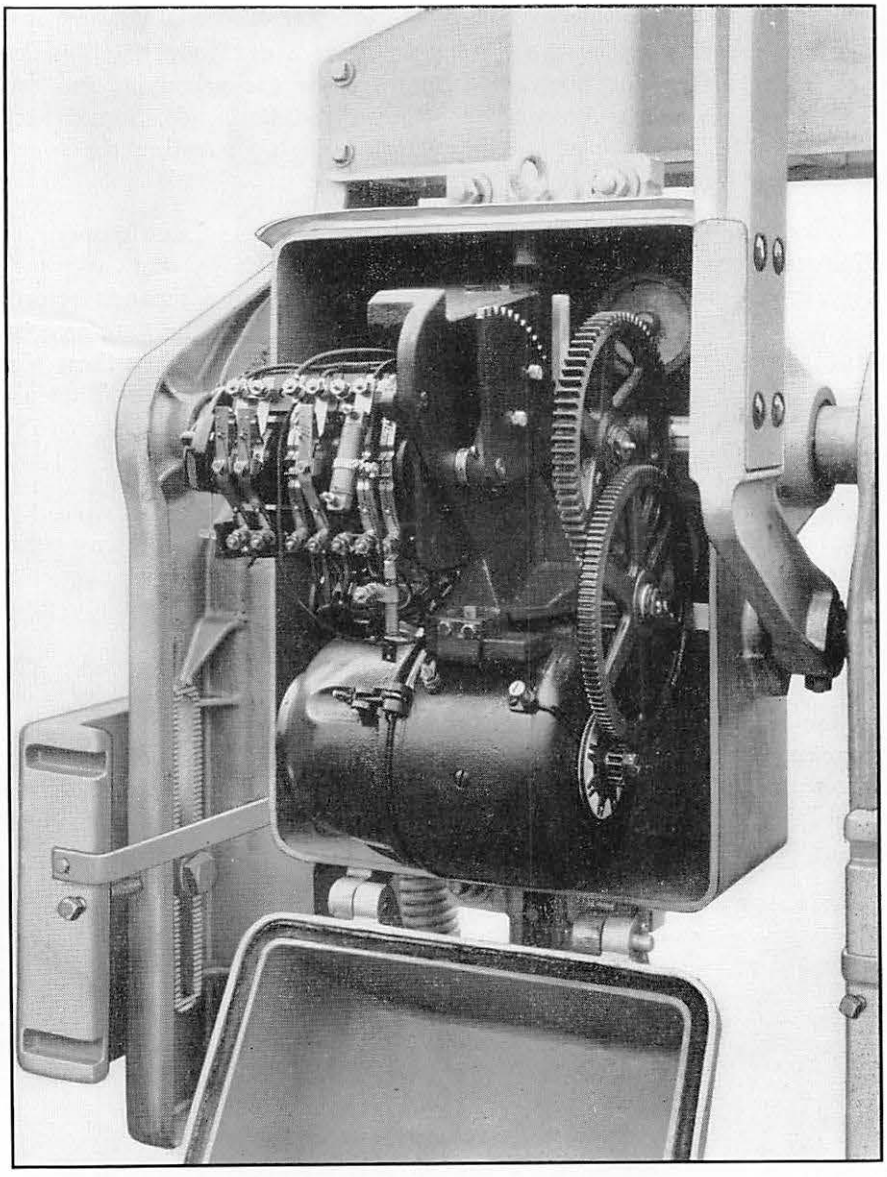
The three electric lights on the gate arm provide an arrestive, highly visible horizontal row of lights in the path of approaching highway vehicles. At all times when the gate arm is in a position to obstruct traffic the tip light burns steadily and the other two lights are caused to alternately flash in unison with the flashing lights on the signal mast.

Many variations from the typical circuits are used to meet local conditions, including timing circuits to adjust the warning period to the speed of approaching trains and thus to limit the time the gates would be down for slower trains. Circuits are frequently introduced to prevent obstruction of highway traffic by trains standing near the crossing, as occurs during station stops.

Assistance in the design of control circuits to meet special conditions will be gladly given by our Engineers, upon request.

Model 10 Signal Mechanism

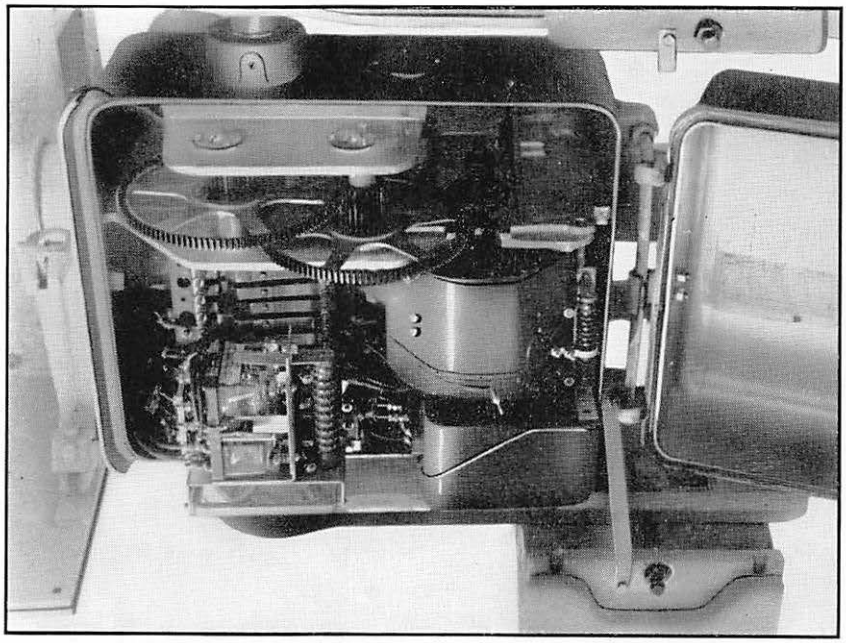
TYPE 3566



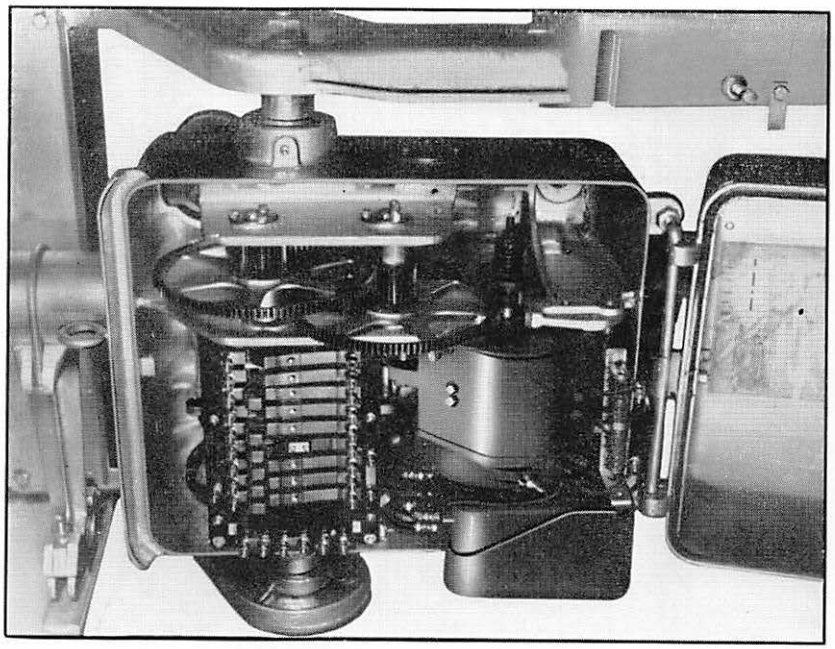
Mechanism with sidewalk arm shaft.

Model 10 Signal Mechanism

TYPE 3564



Power down type.



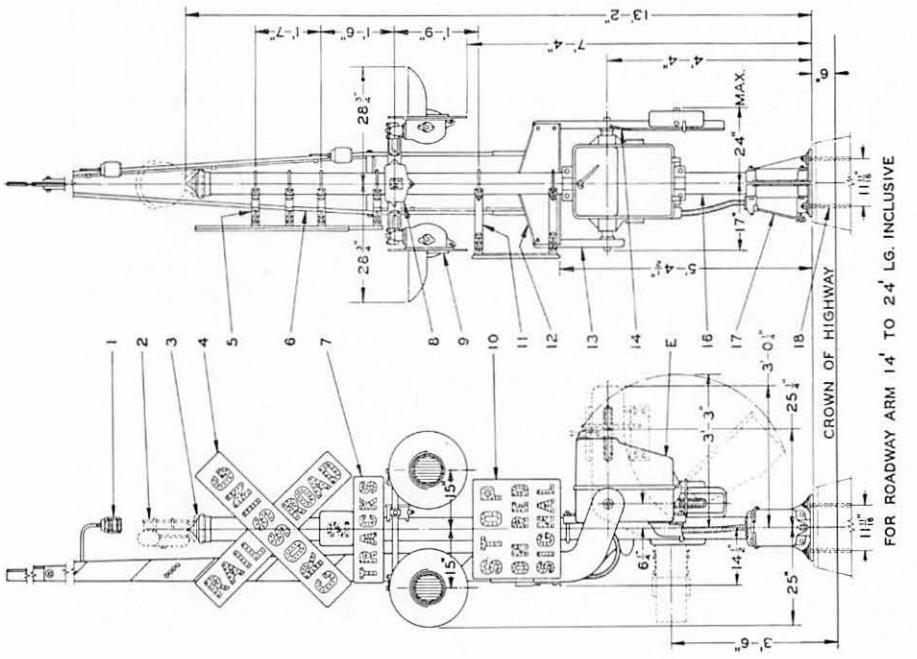
Gravity down type.

WESTERN RAILROAD SUPPLY COMPANY

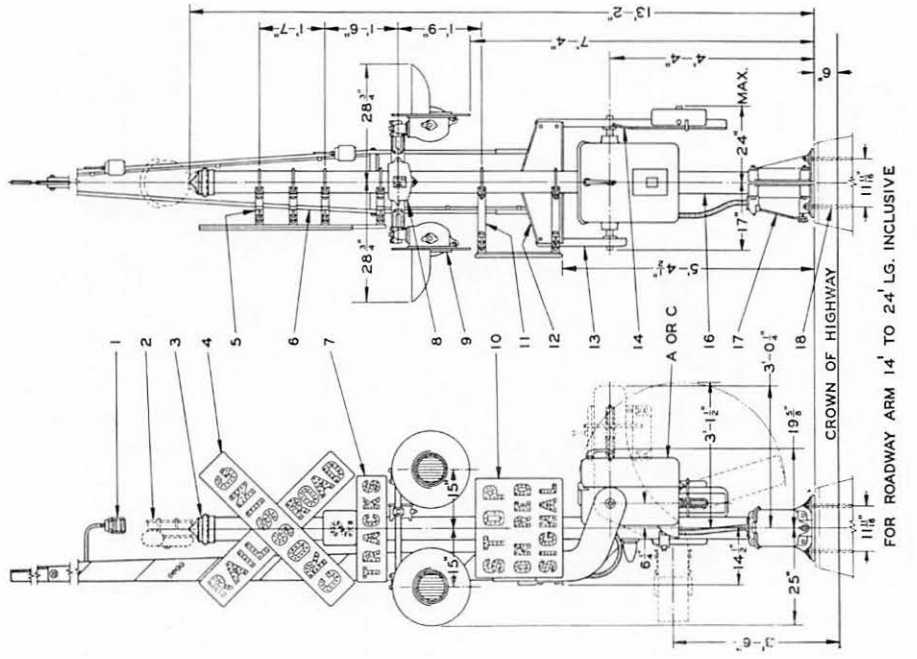
Model 10 Highway Crossing Signal

FLASHING LIGHT AND AUTOMATIC GATE ASSEMBLIES

For Roadway Arm 14′ to 24′ Long



Type A-635, with Type 3566 Mechanism



Type A-524, with Type 3564 Mechanism

WESTERN RAILROAD SUPPLY COMPANY

Model 10 Highway Crossing Signal

FLASHING LIGHT AND AUTOMATIC GATE ASSEMBLIES

For Roadway Arm 14′ to 24′ Long

Type A-524 Type A-635

ORDERING REFERENCE

Specify Plate G150, Reference Number, Type and Description.

Description: Model 10 Highway Crossing Signal, Flashing Light and Automatic Gate Assembly.

Ref. No.	Type of Assembly	Type of Mechanism*	Type of Railroad Crossing Sign	Crossing Bell or Pinnacle
1	A-524	3564–71	Reflector	Crossing Bell
2	A-524	3564–71	Reflector	Pinnacle
3	A-524	3564–71	Cast Iron	Crossing Bell
4	A-524	3564–71	Cast Iron	Pinnacle
5	A-524	3564–131	Reflector	Crossing Bell
6	A-524	3564–131	Reflector	Pinnacle
7	A-524	3564–131	Cast Iron	Crossing Bell
8	A-524	3564–131	Cast Iron	Pinnacle
9	A-635	3566–121	Reflector	Crossing Bell
10	A-635	3566–121	Reflector	Pinnacle
11	A-635	3566–121	Cast Iron	Crossing Bell
12	A-635	3566–121	Cast Iron	Pinnacle

SPECIFY THE FOLLOWING—

(a) Length of Roadway Arm (Tip of Arm to Center of Mast).

(b) Numeral Required on "Number of Tracks" Sign.

UNLESS OTHERWISE SPECIFIED, THE FOLLOWING WILL BE FURNISHED—

Anchor Bolts, 1″ x 36″.

10 V., 18 W., S.C.B.B. Type S-11 Bulb Incandescent Lamps.

Type 222FR Crossing Bell (Section B, Plate B-5) (When Required).

Type 950-201 Flashing Light Units (Section D, Plate D370).

"Stop on Red Signal" Sign.

No. 1585 Fresnel Lens Type Gate Light; unless No. 1573-50 Two-Way Indication Gate Light, Section G, Part No. 2, is Specified.

Gate Light Spacing Per Page No. 74.

Note: When specified, mechanism can be furnished with sidewalk arm shaft having protecting cap over exposed end, should future use of sidewalk arm be contemplated.

* *See pages 3, 6 and 7.*

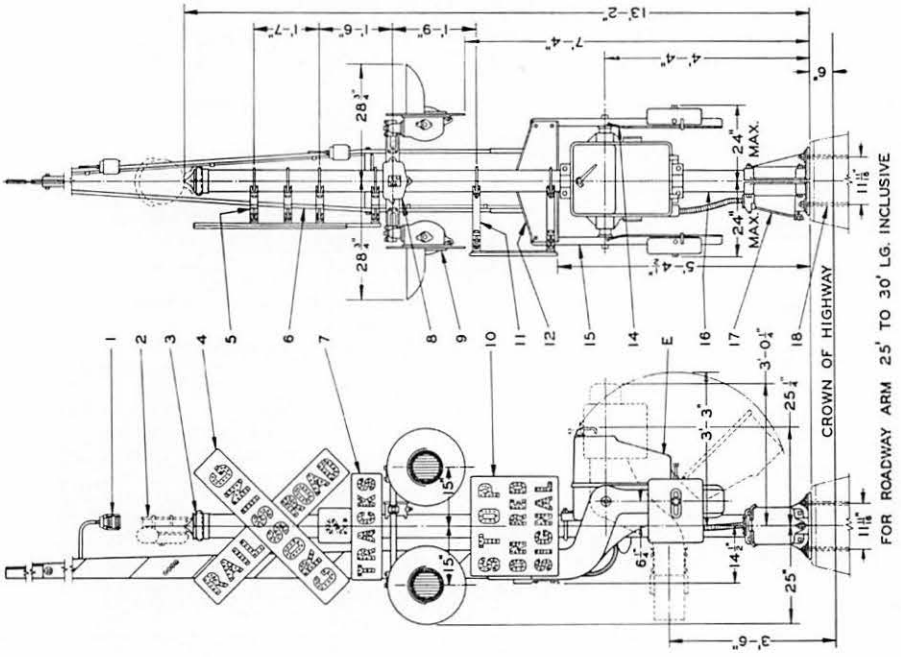
FOR ORDERING REFERENCES FOR DETAIL PARTS OF THESE ASSEMBLIES, SEE PLATE G190

WESTERN RAILROAD SUPPLY COMPANY

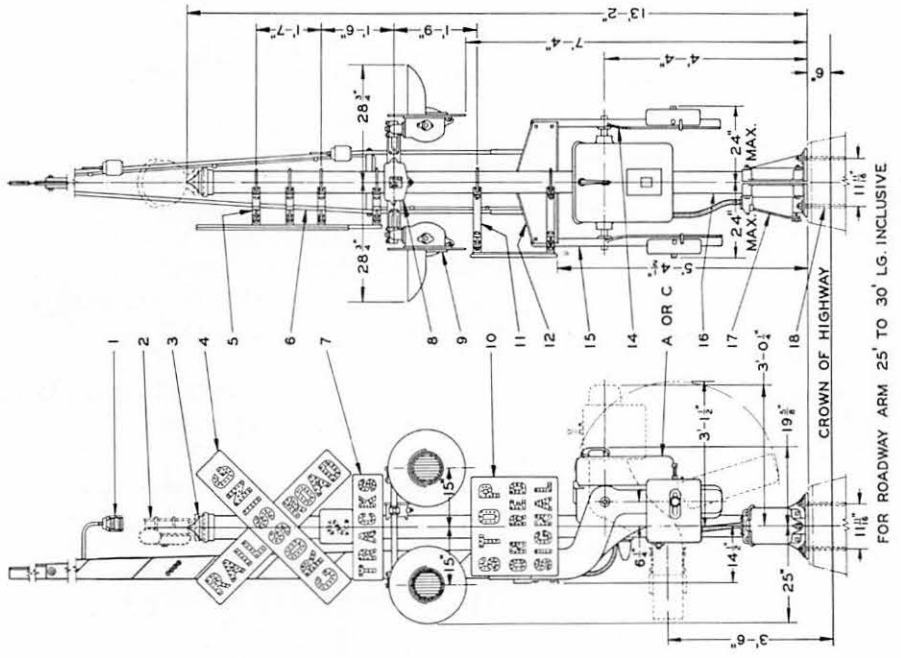
Model 10 Highway Crossing Signal

FLASHING LIGHT AND AUTOMATIC GATE ASSEMBLIES

For Roadway Arm 25′ to 30′ Long



Type A-636, with Type 3566 Mechanism



Type A-525, with Type 3564 Mechanism

WESTERN RAILROAD SUPPLY COMPANY

Model 10 Highway Crossing Signal

FLASHING LIGHT AND AUTOMATIC GATE ASSEMBLIES

For Roadway Arm 39′ to 44′ Long

Type A-525B Type A-636B

ORDERING REFERENCE

Specify Plate G153, Reference Number, Type and Description.

Description: Model 10 Highway Crossing Signal, Flashing Light and Automatic Gate Assembly

Ref. No.	Type of Assembly	Type of Mechanism*	Type of Railroad Crossing Sign	Crossing Bell or Pinnacle
1	A-525B	3564-71	Reflector	Crossing Bell
2	A-525B	3564-71	Reflector	Pinnacle
3	A-525B	3564-71	Cast Iron	Crossing Bell
4	A-525B	3564-71	Cast Iron	Pinnacle
5	A-525B	3564-131	Reflector	Crossing Bell
6	A-525B	3564-131	Reflector	Pinnacle
7	A-525B	3564-131	Cast Iron	Crossing Bell
8	A-525B	3564-131	Cast Iron	Pinnacle
9	A-636B	3566-121	Reflector	Crossing Bell
10	A-636B	3566-121	Reflector	Pinnacle
11	A-636B	3566-121	Cast Iron	Crossing Bell
12	A-636B	3566-121	Cast Iron	Pinnacle

SPECIFY THE FOLLOWING—

(a) Length of Roadway Arm (Tip of Arm to Center of Mast).
(b) Numeral Required on "Number of Tracks" Sign.

UNLESS OTHERWISE SPECIFIED, THE FOLLOWING WILL BE FURNISHED—

Anchor Bolts, 1″ x 36″.
10 V., 18 W., S.C.B.B. Type S-11 Bulb Incandescent Lamps.
Type 222FR Crossing Bell (Section B, Plate B-5) (When Required).
Type 950-201 Flashing Light Units (Section D, Plate D370).
"Stop on Red Signal" Sign.
No. 1585 Fresnel Lens Type Gate Light; unless No. 1573-50 Two-Way Indication Gate Light, Section G, Part No. 2, is Specified.
Gate Light Spacing Per Page No. 74.

Note: When specified, mechanism can be furnished with sidewalk arm shaft having protecting cap over exposed end, should future use of sidewalk arm be contemplated.

* *See pages 3, 6 and 7.*

FOR ORDERING REFERENCES FOR DETAIL PARTS OF THESE ASSEMBLIES, SEE PLATE G190

Information Desired With Inquiry For Complete Model 10 Signal Installation

As stated in the preceding pages, we are pleased to furnish engineering information and to quote on all materials required for installations of Model 10 Signals. Where possible, inquiries should be accompanied by a sketch or scale track plan showing location of highway.

The following information is especially desired:

1. Width of roadway or length of roadway gate arm required.
2. If sidewalk arm is required, length thereof.
3. Length of approach track circuit required each side of highway to provide 20 seconds warning for fastest train, or information as to speeds of trains operated over the crossing.
4. If for double track road, specify if protection shall be provided for reverse traffic.
5. What special operating conditions exist within the area?
6. Details of any switches within the approach sections.
7. Circuits of any signaling now in place which will be affected by the installation of crossing protection.
8. Whether steam and diesel or electric propulsion railroad.
9. What electric power is available at crossing?
10. Weight and type of rail, whether four or six hole splice bars and rail drilling.
11. Type of track ballast (rock, gravel, cinders or other material).
12. Type of highway surface or pavement.
13. If electric propulsion railway, specify what propulsion voltage is used and whether A.C. or D.C. If A.C., specify frequency.
14. If electric propulsion railway, state the normal and maximum return current in rails.
15. If electric propulsion railway, specify if single rail or two rail track circuits are preferred.
16. Whether spare space on pole line is available for extending electric power to ends of track circuits.

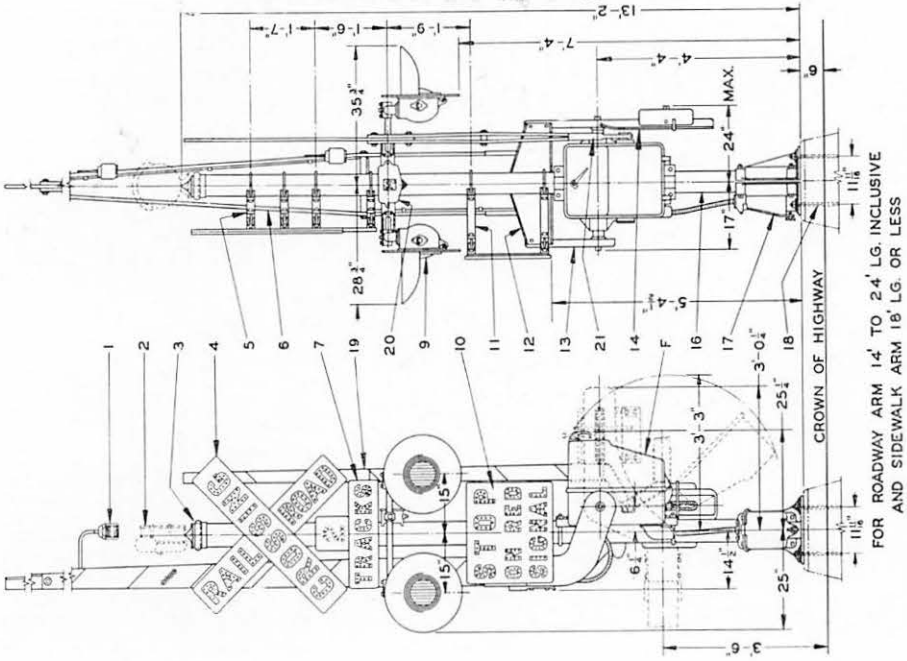
Model 10 Signals With Roadway Arms Over 31 Feet In Length

WESTERN RAILROAD SUPPLY COMPANY

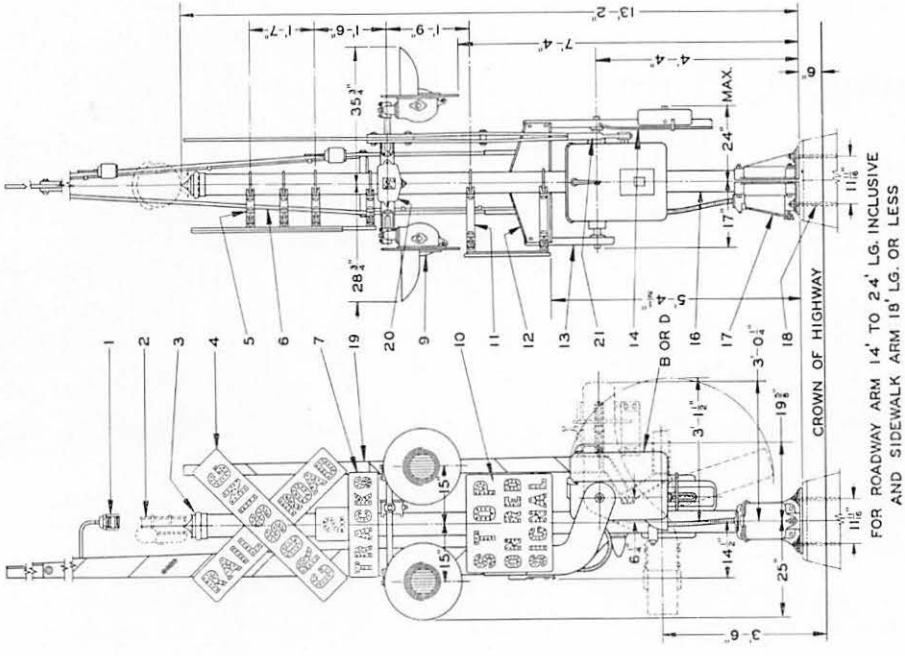
Model 10 Highway Crossing Signal

FLASHING LIGHT AND AUTOMATIC GATE ASSEMBLIES

For Roadway Arm 14′ to 24′ Long
and Sidewalk Arm 18′ Long or Less



Type A-637, with Type 3566 Mechanism



Type A-539, with Type 3564 Mechanism

Model 10 Highway Crossing Signal

FLASHING LIGHT AND AUTOMATIC GATE ASSEMBLIES

For Roadway Arm 14′ to 24′ Long
and Sidewalk Arm 18′ Long or Less

Type A-539 Type A-637

ORDERING REFRENCE

Specify Plate G155, Reference Number, Type and Description.

Description: Model 10 Highway Crossing Signal, Flashing Light and Automatic Gate Assembly

Ref. No.	Type of Assembly	Type of Mechanism*	Type of Railroad Crossing Sign	Crossing Bell or Pinnacle
1	A-539	3564–72	Reflector	Crossing Bell
2	A-539	3564–72	Reflector	Pinnacle
3	A-539	3564–72	Cast Iron	Crossing Bell
4	A-539	3564–72	Cast Iron	Pinnacle
5	A-539	3564–132	Reflector	Crossing Bell
6	A-539	3564–132	Reflector	Pinnacle
7	A-539	3564–132	Cast Iron	Crossing Bell
8	A-539	3564–132	Cast Iron	Pinnacle
9	A-637	3566–122	Reflector	Crossing Bell
10	A-637	3566–122	Reflector	Pinnacle
11	A-637	3566–122	Cast Iron	Crossing Bell
12	A-637	3566–122	Cast Iron	Pinnacle

SPECIFY THE FOLLOWING—

(a) Length of Roadway Arm (Tip of Arm to Center of Mast).
(b) Numeral Required on "Number of Tracks" Sign.
(c) Length of Sidewalk Arm (Tip of Arm to Center of Mast).

Note: Sidewalk arm will be furnished with one or more gate lights, if specified.

UNLESS OTHERWISE SPECIFIED, THE FOLLOWING WILL BE FURNISHED—

Anchor Bolts, 1″ x 36″.
10 V., 18 W., S.C.B.B. Type S-11 Bulb Incandescent Lamps.
Type 222FR Crossing Bell (Section B, Plate B-5) (When Required).
Type 950-201 Flashing Light Units (Section D, Plate D370).
"Stop on Red Signal" Sign.
No. 1585 Fresnel Lens Type Gate Light; unless No. 1573-50 Two-Way Indication Gate Light, Section G, Part No. 2, is Specified.
Gate Light Spacing Per Page No. 74.

* *See pages 3, 6 and 7.*

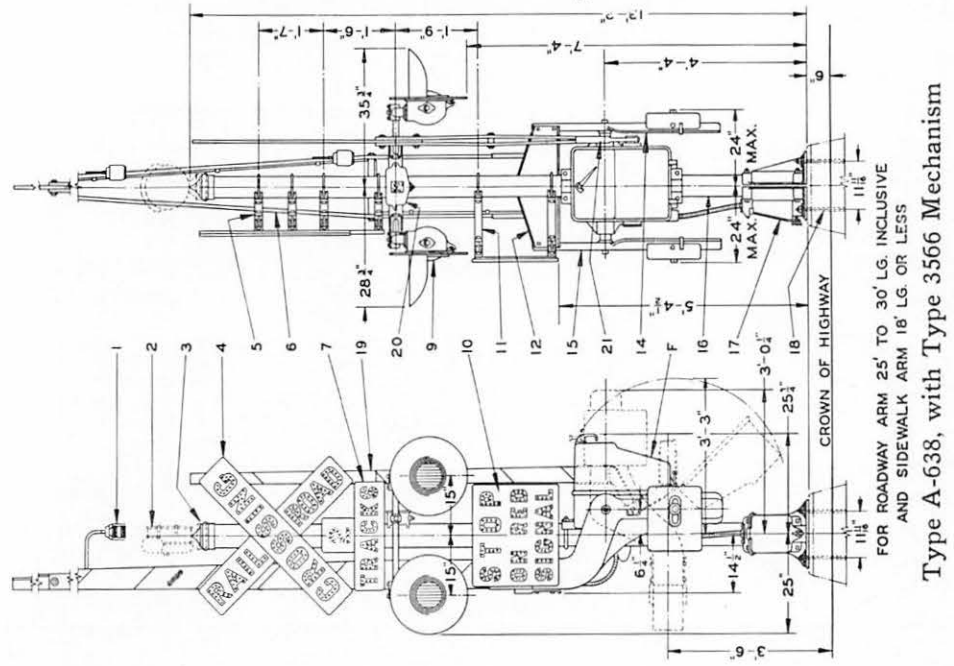
FOR ORDERING REFERENCES FOR DETAIL PARTS OF THESE ASSEMBLIES, SEE PLATE G190

WESTERN RAILROAD SUPPLY COMPANY

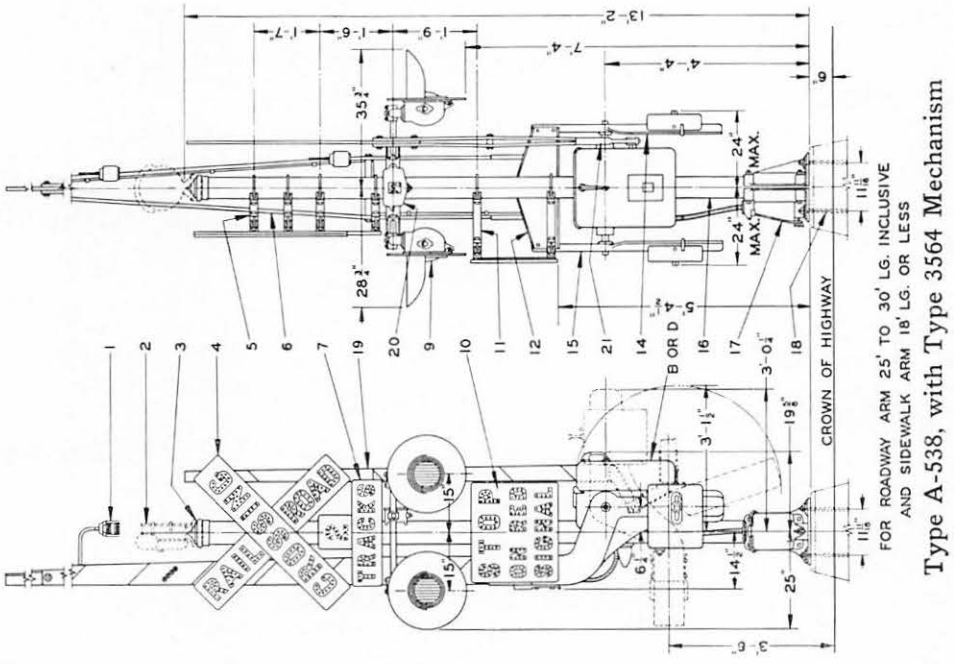
Model 10 Highway Crossing Signal

FLASHING LIGHT AND AUTOMATIC GATE ASSEMBLIES

For Roadway Arm 25′ to 30′ Long
and Sidewalk Arm 18′ Long or Less



Type A-638, with Type 3566 Mechanism



Type A-538, with Type 3564 Mechanism

WESTERN RAILROAD SUPPLY COMPANY

Model 10 Highway Crossing Signal

FLASHING LIGHT AND AUTOMATIC GATE ASSEMBLIES

For Roadway Arm 25′ to 30′ Long
and Sidewalk Arm 18′ Long or Less

Type A-538 Type A-638

ORDERING REFERENCE

Specify Plate G156, Reference Number, Type and Description.

Description: Model 10 Highway Crossing Signal, Flashing Light and Automatic Gate Assembly

Ref. No.	Type of Assembly	Type of Mechanism*	Type of Railroad Crossing Sign	Crossing Bell or Pinnacle
1	A-538	3564-72	Reflector	Crossing Bell
2	A-538	3564-72	Reflector	Pinnacle
3	A-538	3564-72	Cast Iron	Crossing Bell
4	A-538	3564-72	Cast Iron	Pinnacle
5	A-538	3564-132	Reflector	Crossing Bell
6	A-538	3564-132	Reflector	Pinnacle
7	A-538	3564-132	Cast Iron	Crossing Bell
8	A-538	3564-132	Cast Iron	Pinnacle
9	A-638	3566-122	Reflector	Crossing Bell
10	A-638	3566-122	Reflector	Pinnacle
11	A-638	3566-122	Cast Iron	Crossing Bell
12	A-638	3566-122	Cast Iron	Pinnacle

SPECIFY THE FOLLOWING—

(a) Length of Road Arm (Tip of Arm to Center of Mast).
(b) Numeral Required on "Number of Tracks" Sign.
(c) Length of Sidewalk Arm (Tip of Arm to Center of Mast).

Note: Sidewalk arm will be furnished with one or more gate lights, if specified.

UNLESS OTHERWISE SPECIFIED, THE FOLLOWING WILL BE FURNISHED—

Anchor Bolts, 1″ x 36″.
10 V., 18 W., S.C.B.B. Type S-11 Bulb Incandescent Lamps.
Type 222FR Crossing Bell (Section B, Plate B-5) (When Required).
Type 950-201 Flashing Light Units (Section D, Plate D370).
"Stop on Red Signal" Sign.
No. 1585 Fresnel Lens Type Gate Light; unless No. 1573-50 Two-Way Indication Gate Light, Section G, Part No. 2, is Specified.
Gate Light Spacing Per Page No. 74.

* *See pages 3, 6 and 7.*

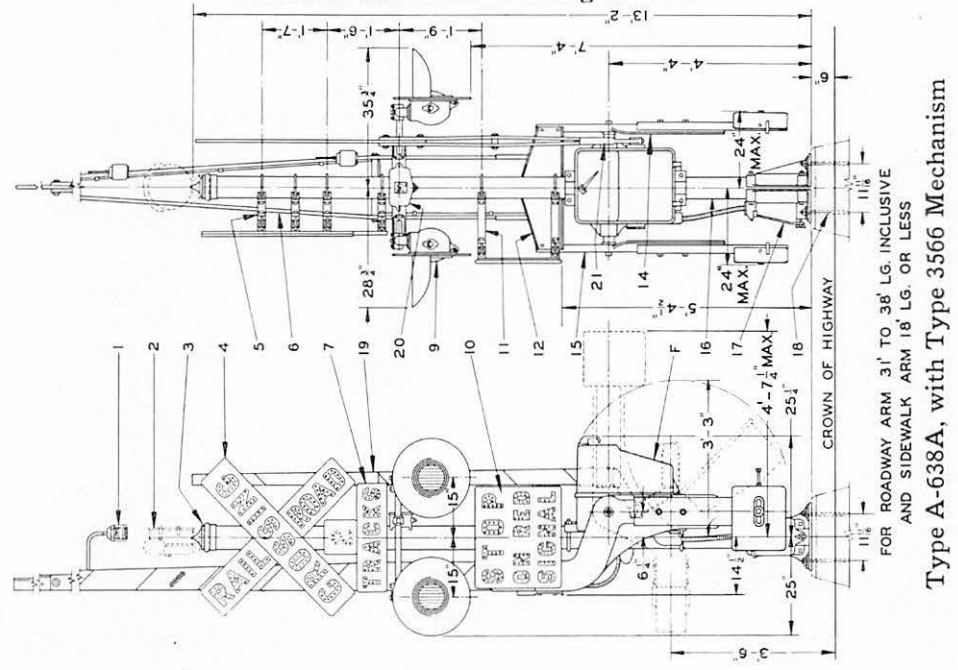
FOR ORDERING REFERENCES FOR DETAIL PARTS OF THESE ASSEMBLIES, SEE PLATE G190

WESTERN RAILROAD SUPPLY COMPANY

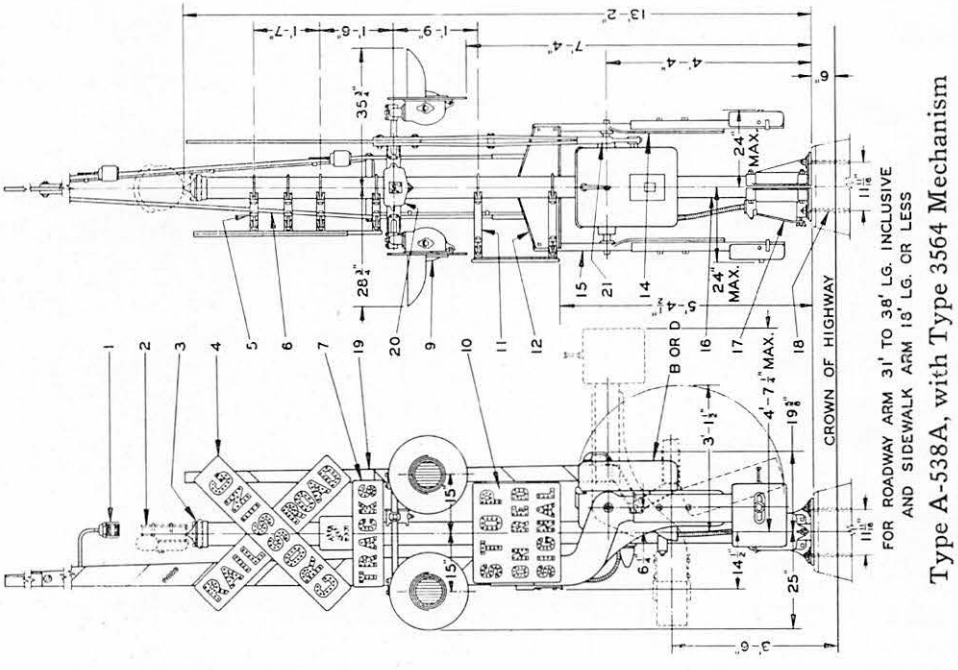
Model 10 Highway Crossing Signal

FLASHING LIGHT AND AUTOMATIC GATE ASSEMBLIES

For Roadway Arm 31′ to 38′ Long
and Sidewalk Arm 18′ Long or Less



Type A-638A, with Type 3566 Mechanism



Type A-538A, with Type 3564 Mechanism

Model 10 Highway Crossing Signal

FLASHING LIGHT AND AUTOMATIC GATE ASSEMBLIES

For Roadway Arm 31′ to 38′ Long
and Sidewalk Arm 18′ Long or Less

Type A-538A Type A-638A

ORDERING REFERENCE

Specify Plate G157, Reference Number, Type and Description.

Description: Model 10 Highway Crossing Signal, Flashing Light and Automatic Gate Assembly

Ref. No.	Type of Assembly	Type of Mechanism*	Type of Railroad Crossing Sign	Crossing Bell or Pinnacle
1	A-538A	3564-72	Reflector	Crossing Bell
2	A-538A	3564-72	Reflector	Pinnacle
3	A-538A	3564-72	Cast Iron	Crossing Bell
4	A-538A	3564-72	Cast Iron	Pinnacle
5	A-538A	3564-132	Reflector	Crossing Bell
6	A-538A	3564-132	Reflector	Pinnacle
7	A-538A	3564-132	Cast Iron	Crossing Bell
8	A-538A	3564-132	Cast Iron	Pinnacle
9	A-638A	3566-122	Reflector	Crossing Bell
10	A-638A	3566-122	Reflector	Pinnacle
11	A-638A	3566-122	Cast Iron	Crossing Bell
12	A-638A	3566-122	Cast Iron	Pinnacle

SPECIFY THE FOLLOWING—

(a) Length of Roadway Arm (Tip of Arm to Center of Mast).
(b) Numeral Required on "Number of Tracks" Sign.
(c) Length of Sidewalk Arm (Tip of Arm to Center of Mast).

Note: Sidewalk arm will be furnished with one or more gate lights, if specified.

UNLESS OTHERWISE SPECIFIED, THE FOLLOWING WILL BE FURNISHED—

Anchor Bolts, 1″ x 36″.
10 V., 18 W., S.C.B.B. Type S-11 Bulb Incandescent Lamps.
Type 222FR Crossing Bell (Section B, Plate B-5) (When Required).
Type 950-201 Flashing Light Units (Section D, Plate D370).
"Stop on Red Signal" Sign.
No. 1585 Fresnel Lens Type Gate Light; unless No. 1573-50 Two-Way Indication Gate Light, Section G, Part No. 2, is Specified.
Gate Light Spacing Per Page No. 74.

* *See pages 3, 6 and 7.*

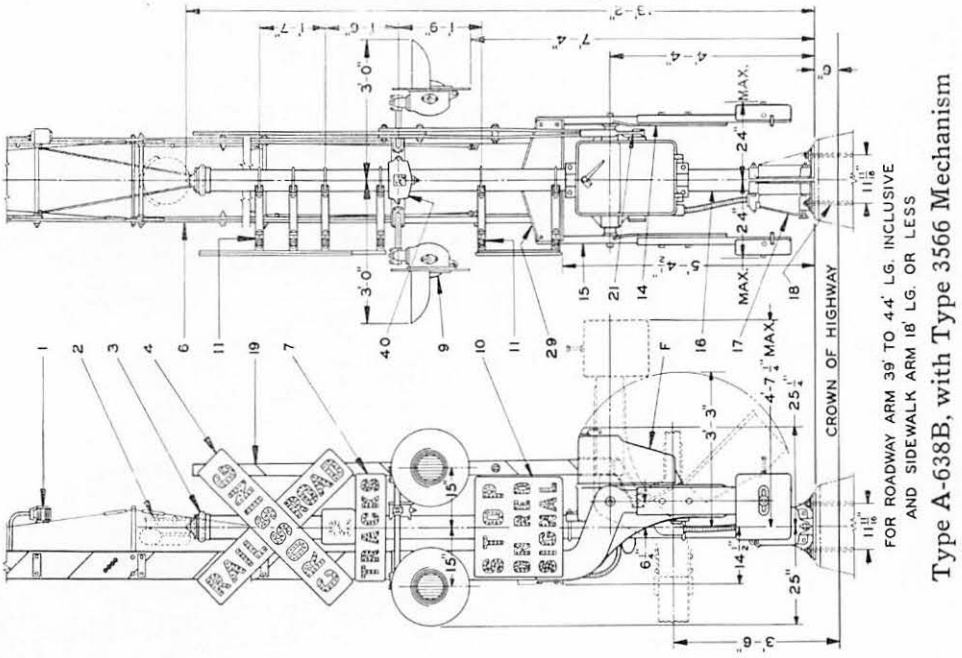
FOR ORDERING REFERENCES FOR DETAIL PARTS OF THESE ASSEMBLIES, SEE PLATE G190

WESTERN RAILROAD SUPPLY COMPANY

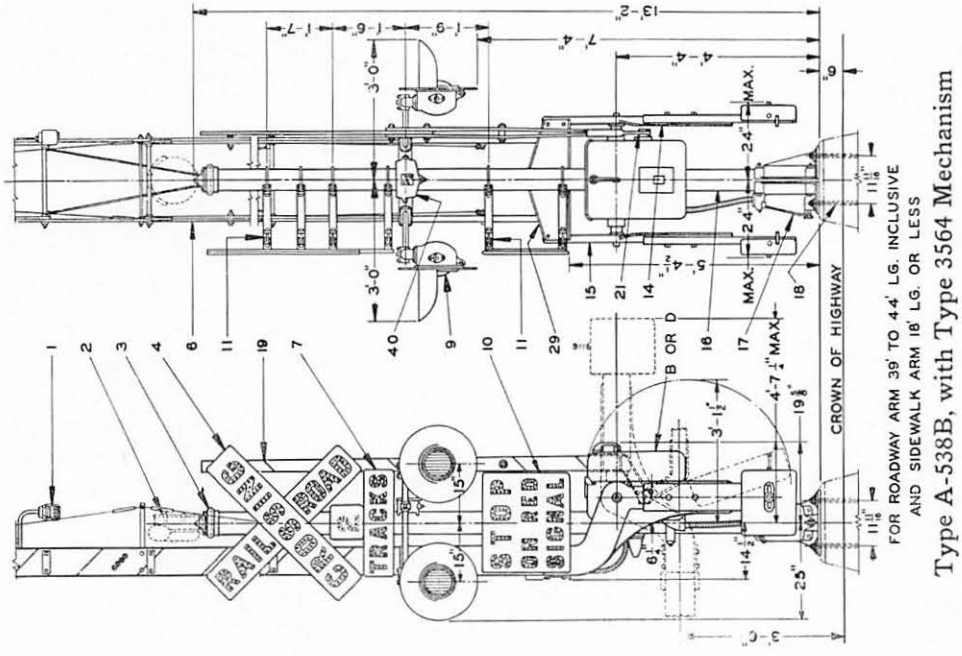
Model 10 Highway Crossing Signal

FLASHING LIGHT AND AUTOMATIC GATE ASSEMBLIES

For Roadway Arm 39′ to 44′ Long
and Sidewalk Arm 18′ Long or Less



Type A-638B, with Type 3566 Mechanism



Type A-538B, with Type 3564 Mechanism

WESTERN RAILROAD SUPPLY COMPANY

Model 10 Highway Crossing Signal

FLASHING LIGHT AND AUTOMATIC GATE ASSEMBLIES

For Roadway Arm 39′ to 44′ Long
and Sidewalk Arm 18′ Long or Less

Type A-538B Type A-638B

ORDERING REFERENCE

Specify Plate G158, Reference Number, Type and Description.

Description: Model 10 Highway Crossing Signal, Flashing Light and Automatic Gate Assembly

Ref. No.	Type of Assembly	Type of Mechanism*	Type of Railroad Crossing Sign	Crossing Bell or Pinnacle
1	A-538B	3564-72	Reflector	Crossing Bell
2	A-538B	3564-72	Reflector	Pinnacle
3	A-538B	3564-72	Cast Iron	Crossing Bell
4	A-538B	3564-72	Cast Iron	Pinnacle
5	A-538B	3564-132	Reflector	Crossing Bell
6	A-538B	3564-132	Reflector	Pinnacle
7	A-538B	3564-132	Cast Iron	Crossing Bell
8	A-538B	3564-132	Cast Iron	Pinnacle
9	A-638B	3566-122	Reflector	Crossing Bell
10	A-638B	3566-122	Reflector	Pinnacle
11	A-638B	3566-122	Cast Iron	Crossing Bell
12	A-638B	3566-122	Cast Iron	Pinnacle

SPECIFY THE FOLLOWING—

(a) Length of Roadway Arm (Tip of Arm to Center of Mast).
(b) Numeral Required on "Number of Tracks" Sign.
(c) Length of Sidewalk Arm (Tip of Arm to Center of Mast).

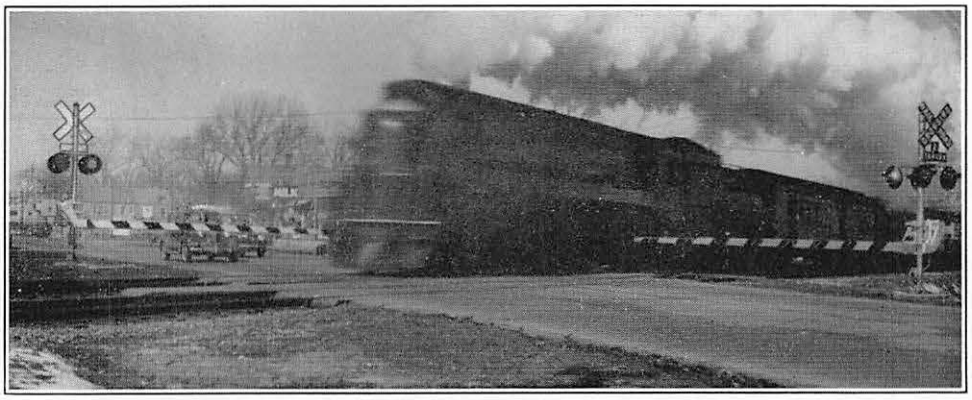
Note: Sidewalk arm will be furnished with one or more gate lights, if specified.

UNLESS OTHERWISE SPECIFIED, THE FOLLOWING WILL BE FURNISHED—

Anchor Bolts, 1″ x 36″.
10 V., 18 W., S.C.B.B. Type S-11 Bulb Incandescent Lamps.
Type 222FR Crossing Bell (Section B, Plate B-5) (When Required).
Type 950-201 Flashing Light Units (Section D, Plate D370).
"Stop on Red Signal" Sign.
No. 1585 Fresnel Lens Type Gate Lights; unless No. 1573-50 Two-Way Indication Gate Light, Section G, Part No. 2, is Specified.
Gate Light Spacing Per Page No. 74.

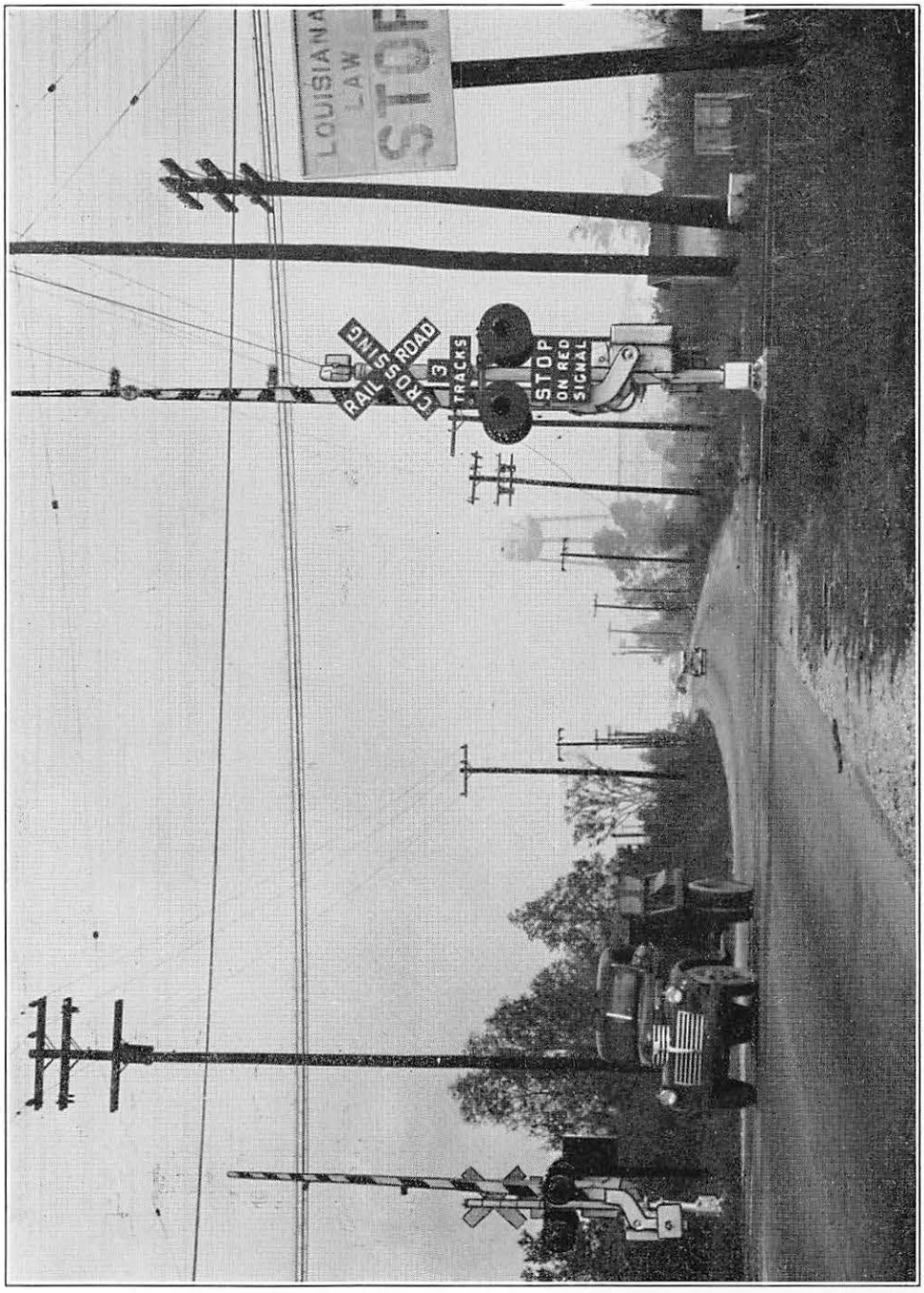
* *See pages 3, 6 and 7.*

FOR ORDERING REFERENCES FOR DETAIL PARTS OF THESE ASSEMBLIES, SEE PLATE G190



MEMORANDA

Typical Installation of Model 10 Signals With Roadway Arm Only, Not Exceeding 24 Feet in Length



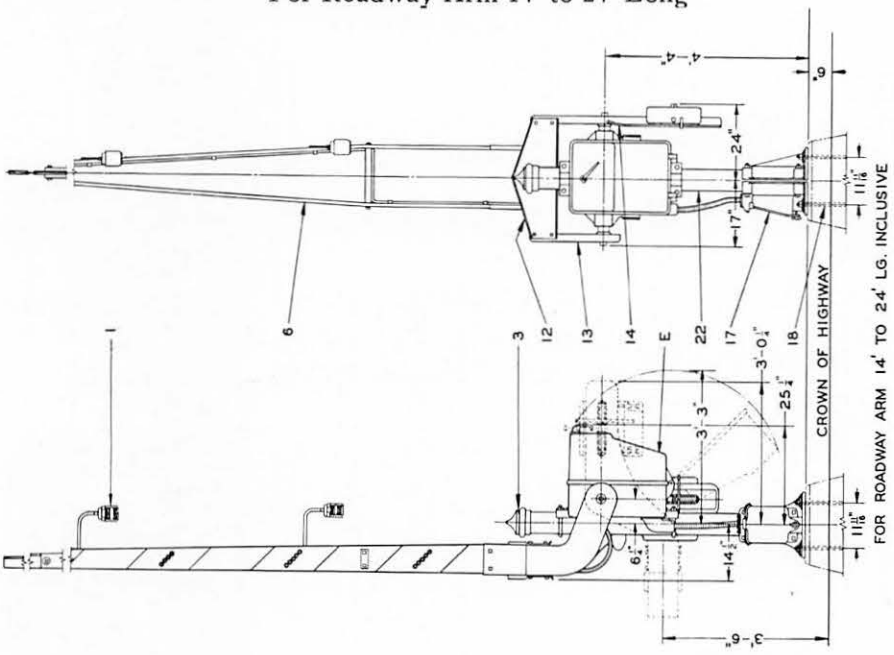
WESTERN RAILROAD SUPPLY COMPANY

Model 10 Highway Crossing Signal

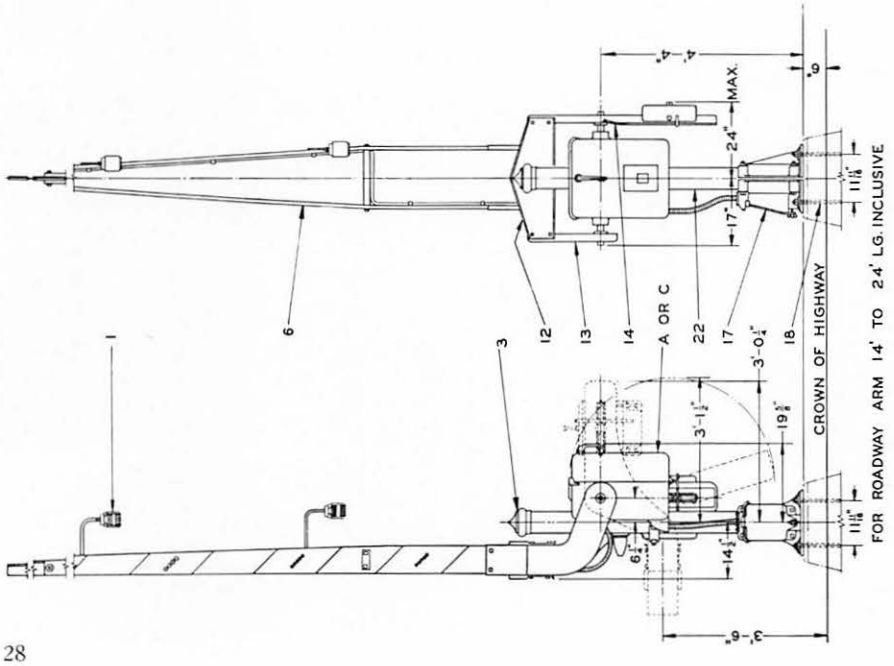
STUB POLE AUTOMATIC GATE ASSEMBLIES

For use with Cantilever Type Flashing Light Signals, as illustrated on Page 37, or on Leaving Side of Tracks Where Four Gates Are Required

For Roadway Arm 14′ to 24′ Long



Type A-655, with Type 3566 Mechanism



Type A-542, with Type 3564 Mechanism

WESTERN RAILROAD SUPPLY COMPANY

Model 10 Highway Crossing Signal

STUB POLE AUTOMATIC GATE ASSEMBLIES

For use with Cantilever Type Flashing Light Signals, as illustrated on Page 37, or on Leaving Side of Tracks Where Four Gates Are Required

For Roadway Arm 14′ to 24′ Long

Type A-542 Type A-655

ORDERING REFERENCE

Specify Plate G160, Reference Number, Type and Description.

Description: Model 10 Highway Crossing Signal—Automatic Gate Assembly

Ref. No.	Type of Assembly	Type of Mechanism*
1	A-542	3564–71
2	A-542	3564–131
3	A-655	3566–121

SPECIFY THE FOLLOWING—

(a) Length of Roadway Arm (Tip of Arm to Center of Mast).

UNLESS OTHERWISE SPECIFIED, THE FOLLOWING WILL BE FURNISHED—

Anchor Bolts, 1″ x 36″.

10 V., 18 W., S.C. B.B. Type S-11 Bulb Incandescent Lamps.

No. 1585 Fresnel Lens Type Gate Light; unless No. 1573-50 Two-Way Indication Gate Light, Section G, Part No. 2, is Specified.

Gate Light Spacing Per Page No. 74.

Note: When specified, mechanism can be furnished with sidewalk arm shaft having protecting cap over exposed end, should future use of sidewalk arm be contemplated.

* *See pages 3, 6 and 7.*

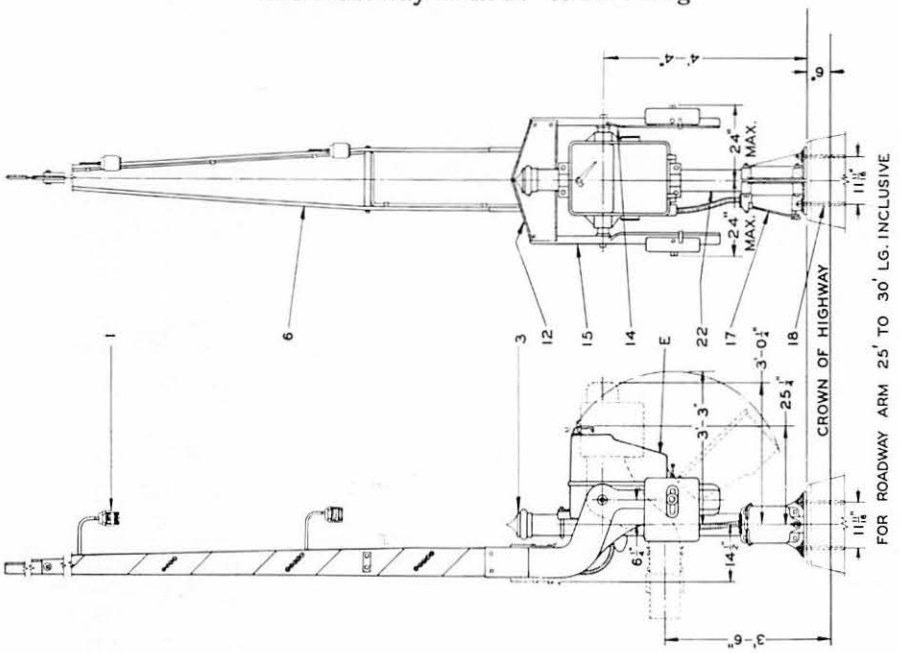
FOR ORDERING REFERENCES FOR DETAIL PARTS OF THESE ASSEMBLIES, SEE PLATE G190

WESTERN RAILROAD SUPPLY COMPANY

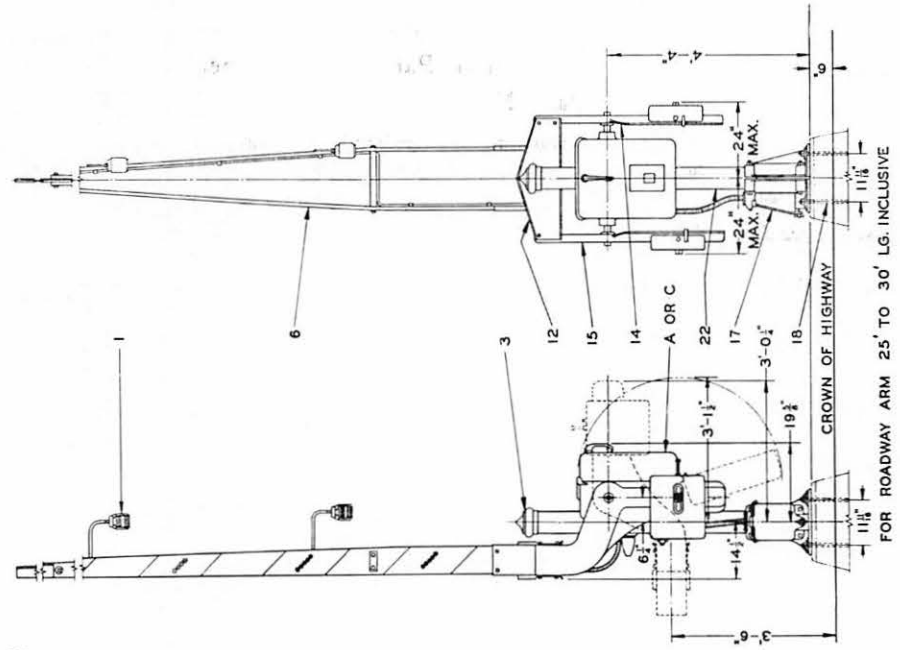
Model 10 Highway Crossing Signal

STUB POLE AUTOMATIC GATE ASSEMBLIES

For use with Cantilever Type Flashing Light Signals, as illustrated on Page 37, or on Leaving Side of Tracks Where Four Gates Are Required For Roadway Arm 25′ to 30′ Long



Type A-656, with Type 3566 Mechanism



Type A-543, with Type 3564 Mechanism

Model 10 Highway Crossing Signal

STUB POLE AUTOMATIC GATE ASSEMBLIES

For use with Cantilever Type Flashing Light Signals, as illustrated on Page 37, or on Leaving Side of Tracks Where Four Gates Are Required
For Roadway Arm 25′ to 30′ Long

Type A-543 Type A-656

ORDERING REFERENCE

Specify Plate G161, Reference Number, Type and Description
Description: Model 10 Highway Crossing Signal—Automatic Gate Assembly

Ref. No.	Type of Assembly	Type of Mechanism*
1	A-543	3564–71
2	A-543	3564–131
3	A-656	3566–121

SPECIFY THE FOLLOWING—

(a) Length of Roadway Arm (Tip of Arm to Center of Mast).

UNLESS OTHERWISE SPECIFIED, THE FOLLOWING WILL BE FURNISHED—

Anchor Bolts, 1″ x 36″.

10 V., 18 W., S.C.B.B. Type S-11 Bulb Incandescent Lamps.

No. 1585 Fresnel Lens Type Gate Light; unless No. 1573-50 Two-Way Indication Gate Light, Section G, Part No. 2, is Specified.

Gate Light Spacing Per Page No. 74.

Note: When specified, mechanism can be furnished with sidewalk arm shaft having protecting cap over exposed end, should future use of sidewalk arm be contemplated.

* *See pages 3, 6 and 7.*

FOR ORDERING REFERENCES FOR DETAIL PARTS OF THESE ASSEMBLIES, SEE PLATE G190

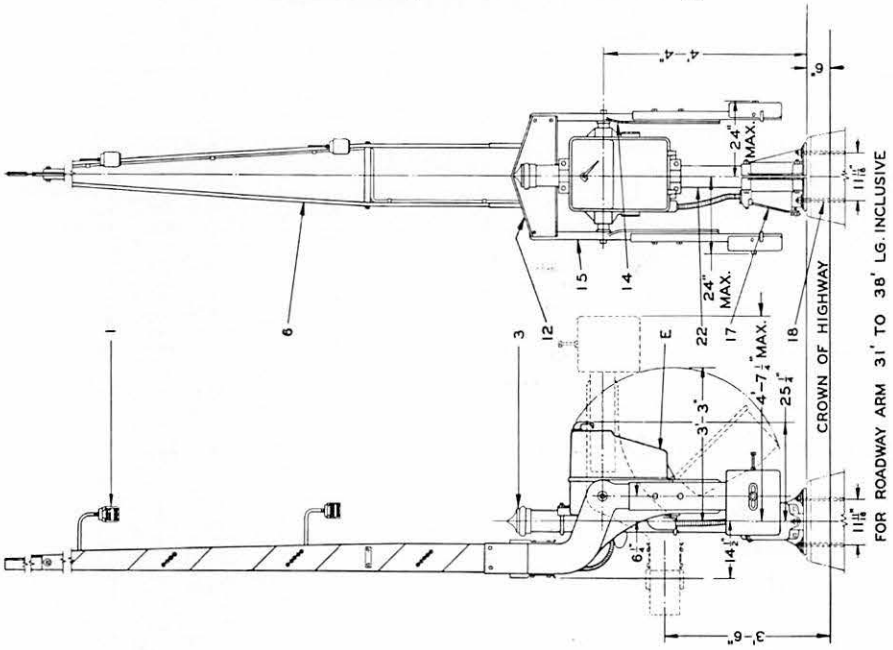
WESTERN RAILROAD SUPPLY COMPANY

Model 10 Highway Crossing Signal

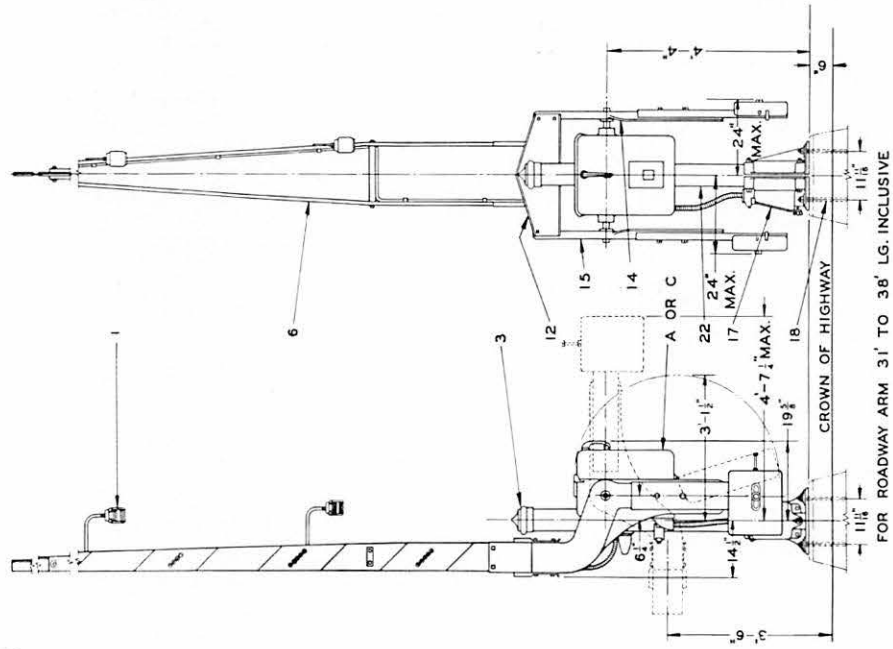
STUB POLE AUTOMATIC GATE ASSEMBLIES

For use with Cantilever Type Flashing Light Signals, as illustrated on Page 37, or on Leaving Side of Tracks Where Four Gates Are Required

For Roadway Arm 31′ to 38′ Long



Type A-656A, with Type 3566 Mechanism



Type A-543A, with Type 3564 Mechanism

WESTERN RAILROAD SUPPLY COMPANY

Model 10 Highway Crossing Signal

STUB POLE AUTOMATIC GATE ASSEMBLIES

For use with Cantilever Type Flashing Light Signals, as illustrated on Page 37, or on Leaving Side of Tracks Where Four Gates Are Required For Roadway Arm 31′ to 38′ Long

Type A-543A Type A-656A

ORDERING REFERENCE

Specify Plate G162, Reference Number, Type and Description.
Description: Model 10 Highway Crossing Signal—Automatic Gate Assembly

Ref. No.	Type of Assembly	Type of Mechanism*
1	A-543A	3564–71
2	A-543A	3564–131
3	A-656A	3566–121

SPECIFY THE FOLLOWING—

(a) Length of Roadway Arm (Tip of Arm to Center of Mast).

UNLESS OTHERWISE SPECIFIED, THE FOLLOWING WILL BE FURNISHED—

Anchor Bolts, 1″ x 36″.

10 V., 18 W., S.C.B.B. Type S-11 Bulb Incandescent Lamps.

No. 1585 Fresnel Lens Type Gate Light; unless No. 1573-50 Two-Way Indication Gate Light, Section G, Part No. 2, is Specified.

Gate Light Spacing Per Page No. 74.

Note: When specified, mechanism can be furnished with sidewalk arm shaft having protecting cap over exposed end, should future use of sidewalk arm be contemplated.

** See pages 3, 6 and 7.*

FOR ORDERING REFERENCES FOR DETAIL PARTS OF THESE ASSEMBLIES, SEE PLATE G190

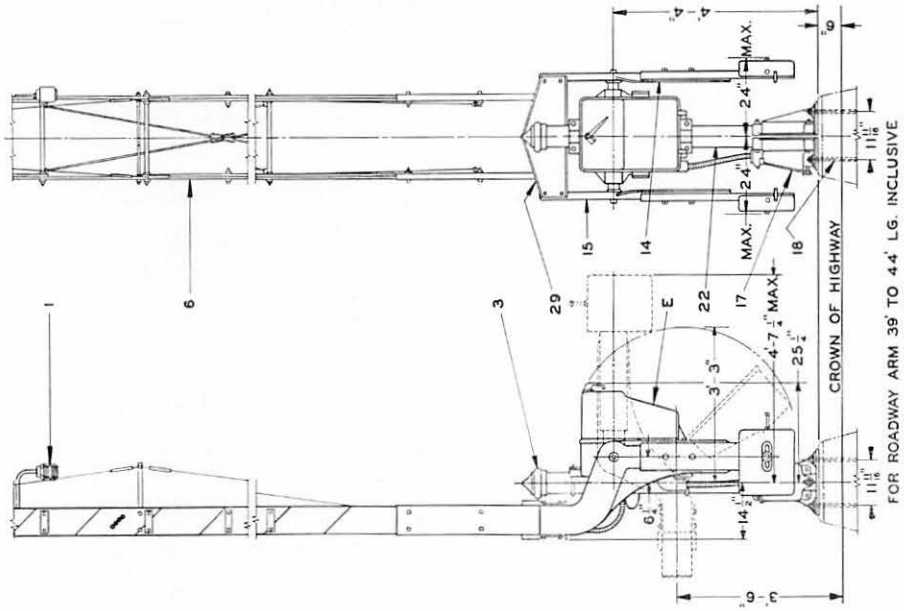
WESTERN RAILROAD SUPPLY COMPANY

Model 10 Highway Crossing Signal

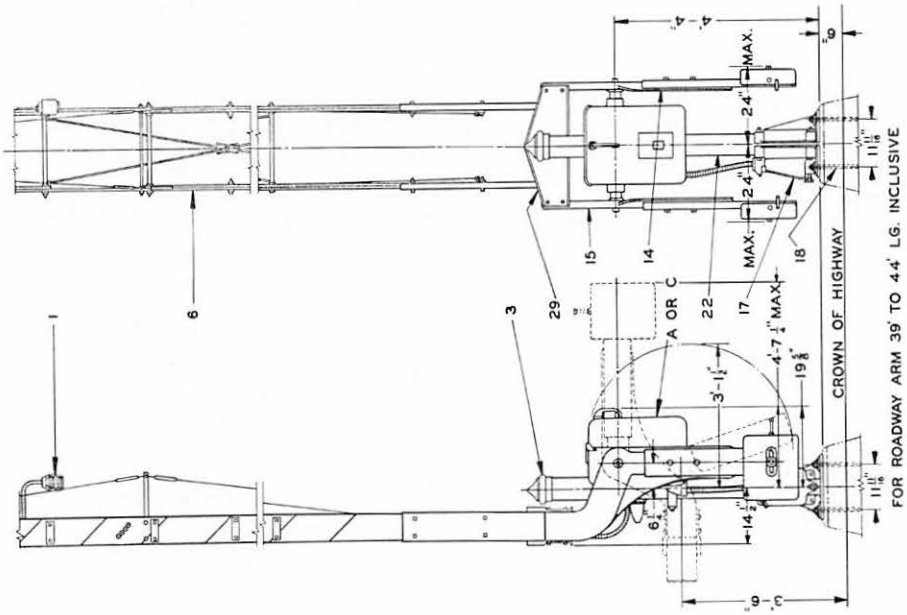
STUB POLE AUTOMATIC GATE ASSEMBLIES

For use with Cantilever Type Flashing Light Signals, as illustrated on Page 37, or on Leaving Side of Tracks Where Four Gates Are Required

For Roadway Arm 39′ to 44′ Long



Type A-656B, with Type 3566 Mechanism



Type A-543B, with Type 3564 Mechanism

WESTERN RAILROAD SUPPLY COMPANY

Model 10 Highway Crossing Signal

STUB POLE AUTOMATIC GATE ASSEMBLIES

For use with Cantilever Type Flashing Light Signals, as illustrated on Page 37, or on Leaving Side of Tracks Where Four Gates Are Required For Roadway Arm 39′ to 44′ Long

Type A-543B Type A-656B

ORDERING REFERENCE

Specify Plate G163, Reference Number, Type and Description.
Description: Model 10 Highway Crossing Signal—Automatic Gate Assembly

Ref. No.	Type of Assembly	Type of Mechanism*
1	A-543B	3564–71
2	A-543B	3564–131
3	A-656B	3566–121

SPECIFY THE FOLLOWING—

(a) Length of Roadway Arm (Tip of Arm to Center of Mast).

UNLESS OTHERWISE SPECIFIED, THE FOLLOWING WILL BE FURNISHED—

Anchor Bolts, 1″ x 36″.

10 V., 18 W., S.C.B.B. Type S-11 Bulb Incandescent Lamps.

No. 1585 Fresnel Lens Type Gate Light; unless No. 1573-50 Two-Way Indication Gate Light, Section G, Part No. 2, is Specified.

Gate Light Spacing Per Page No. 74.

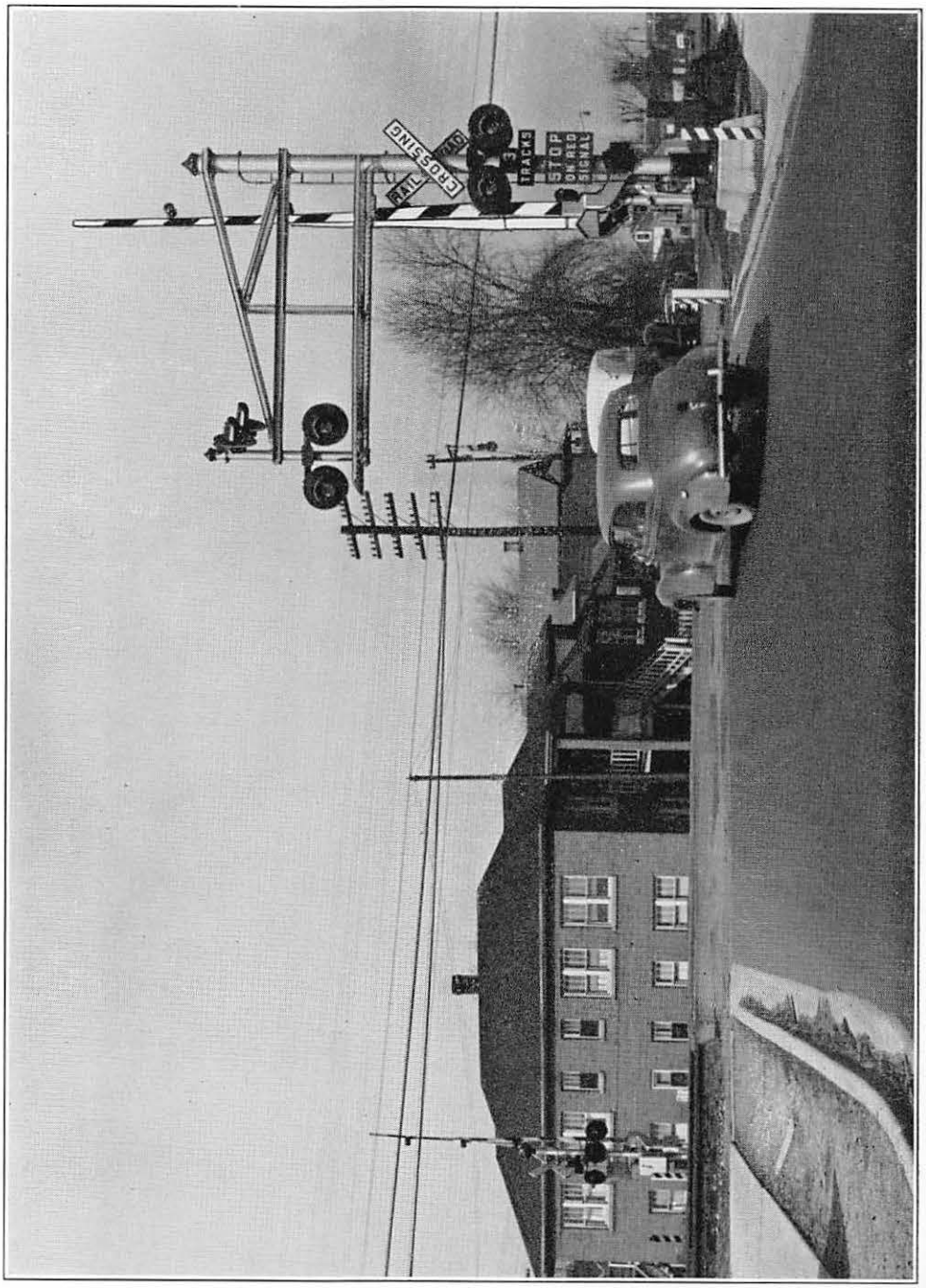
Note: When specified, mechanism can be furnished with sidewalk arm shaft having protecting cap over exposed end, should future use of sidewalk arm be contemplated.

* *See pages 3, 6 and 7.*

FOR ORDERING REFERENCES FOR DETAIL PARTS OF THESE ASSEMBLIES, SEE PLATE G190

MEMORANDA

Installation of Stub Pole Type of Assembly With Cantilever Type Flashing Light Signal

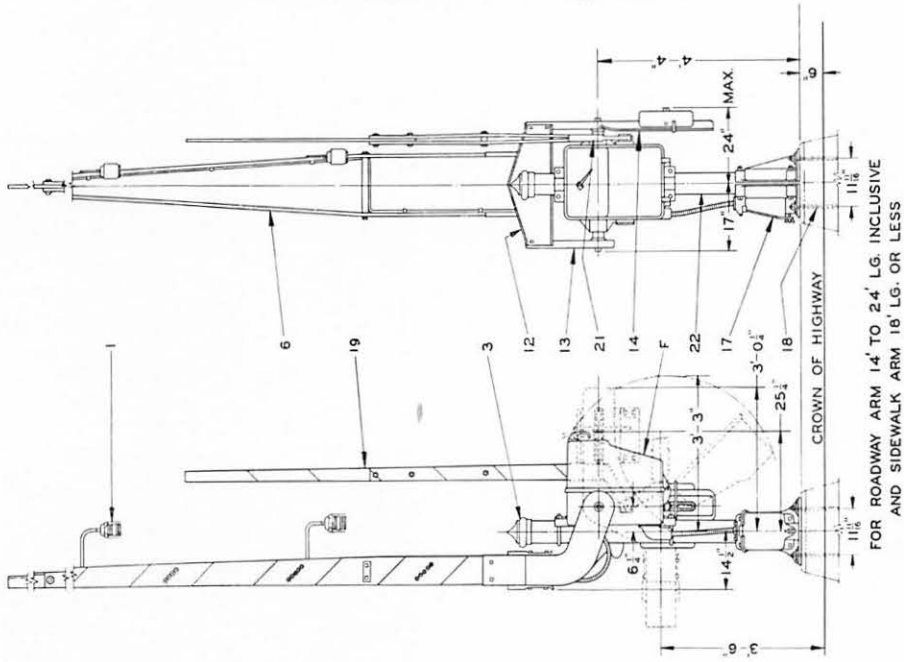


WESTERN RAILROAD SUPPLY COMPANY

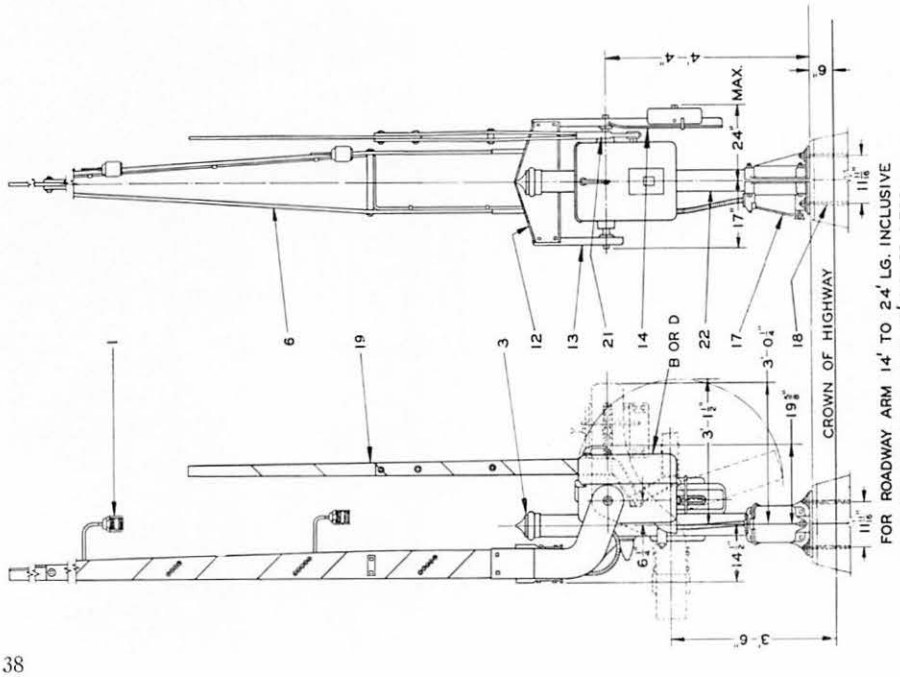
Model 10 Highway Crossing Signal

STUB POLE AUTOMATIC GATE ASSEMBLIES

For use with Cantilever Type Flashing Light Signals, as illustrated on Page 37, or on Leaving Side of Tracks Where Four Gates Are Required
For Roadway Arm 14′ to 24′ Long
and Sidewalk Arm 18′ Long or Less



Type A-657, with Type 3566 Mechanism



Type A-550, with Type 3564 Mechanism

WESTERN RAILROAD SUPPLY COMPANY

Model 10 Highway Crossing Signal

STUB POLE AUTOMATIC GATE ASSEMBLIES

For use with Cantilever Type Flashing Light Signals, as illustrated on Page 37, or on Leaving Side of Tracks Where Four Gates Are Required
For Roadway Arm 14′ to 24′ Long
and Sidewalk Arm 18′ Long or Less

Type A-550 Type A-657

ORDERING REFERENCE

Specify Plate G165, Reference Number, Type and Description.
Description: Model 10 Highway Crossing Signal—Automatic Gate Assembly

Ref. No.	Type of Assembly	Type of Mechanism*
1	A-550	3564–72
2	A-550	3564–132
3	A-657	3566–122

SPECIFY THE FOLLOWING—

(a) Length of Roadway Arm (Tip of Arm to Center of Mast).
(b) Length of Sidewalk Arm (Tip of Arm to Center of Mast).

Note: Sidewalk arm may be furnished with one or more gate light units, if specified.

UNLESS OTHERWISE SPECIFIED, THE FOLLOWING WILL BE FURNISHED—

Anchor Bolts, 1″ x 36″.
10 V., 18 W., S.C.B.B. Type S-11 Bulb Incandescent Lamps.
No. 1585 Fresnel Lens Type Gate Light; unless 1573-50 Two-Way Indication Gate Light, Section G, Part No. 2, is Specified.
Gate Light Spacing Per Page No. 74.

* *See pages 3, 6 and 7.*

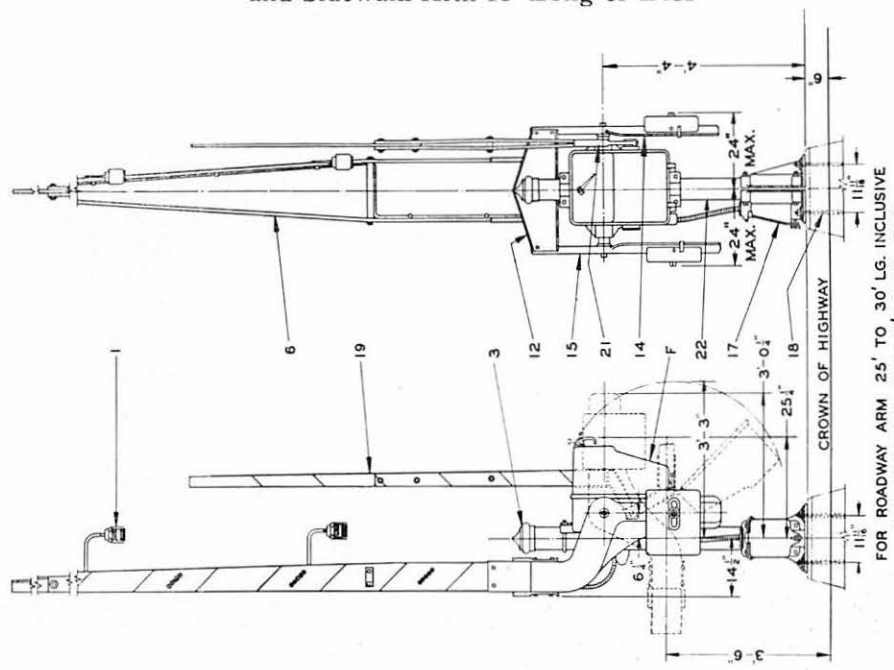
FOR ORDERING REFERENCES FOR DETAIL PARTS OF THESE ASSEMBLIES, SEE PLATE G190

WESTERN RAILROAD SUPPLY COMPANY

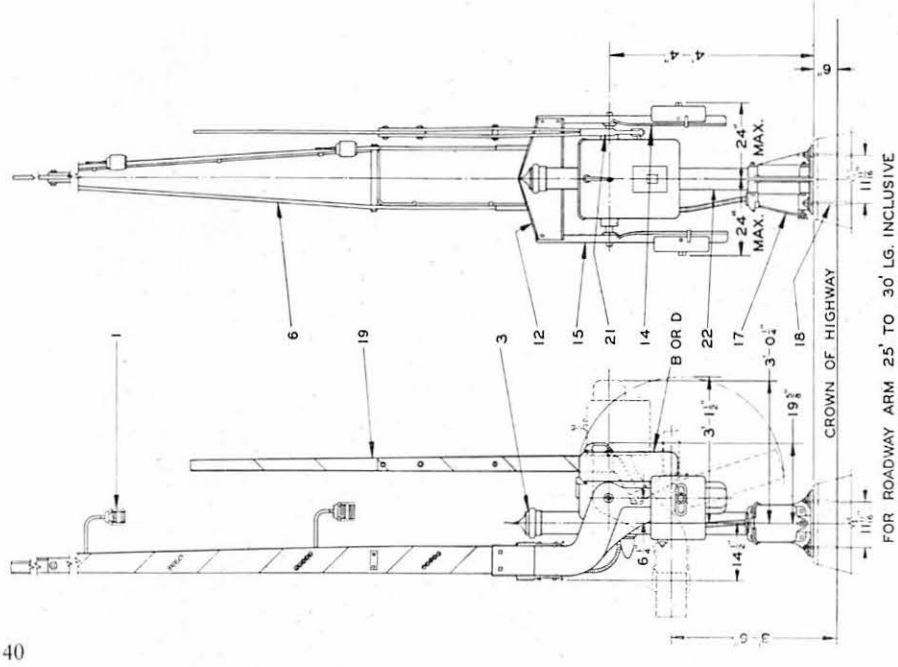
Model 10 Highway Crossing Signal

STUB POLE AUTOMATIC GATE ASSEMBLIES

For use with Cantilever Type Flashing Light Signals, as illustrated on Page 37, or on Leaving Side of Tracks Where Four Gates Are Required
For Roadway Arm 25′ to 30′ Long
and Sidewalk Arm 18′ Long or Less



Type A-658, with Type 3566 Mechanism



Type A-551, with Type 3564 Mechanism

WESTERN RAILROAD SUPPLY COMPANY

Model 10 Highway Crossing Signal

STUB POLE AUTOMATIC GATE ASSEMBLIES

For use with Cantilever Type Flashing Light Signals, as illustrated on Page 37, or on Leaving Side of Tracks Where Four Gates Are Required
For Roadway Arm 25′ to 30′ Long
and Sidewalk Arm 18′ Long or Less

Type A-551 Type A-658

ORDERING REFERENCE

Specify Plate G166, Reference Number, Type and Description.
Description: Model 10 Highway Crossing Signal—Automatic Gate Assembly

Ref. No.	Type of Assembly	Type of Mechanism*
1	A-551	3564–72
2	A-551	3564–132
3	A-658	3566–122

SPECIFY THE FOLLOWING—

(a) Length of Roadway Arm (Tip of Arm to Center of Mast).
(b) Length of Sidewalk Arm (Tip of Arm to Center of Mast).

Note: Sidewalk arm may be furnished with one or more gate light units, if specified.

UNLESS OTHERWISE SPECIFIED, THE FOLLOWING WILL BE FURNISHED—

Anchor Bolts, 1″ x 36″.
10 V., 18 W., S.C.B.B. Type S-11 Bulb Incandescent Lamps.
No. 1585 Fresnel Lens Type Gate Light; unless 1573-50 Two-Way Indication Gate Light, Section G, Part No. 2, is Specified.
Gate Light Spacing Per Page No. 74.

* *See pages 3, 6 and 7.*

FOR ORDERING REFERENCES FOR DETAIL PARTS OF THESE ASSEMBLIES, SEE PLATE G190

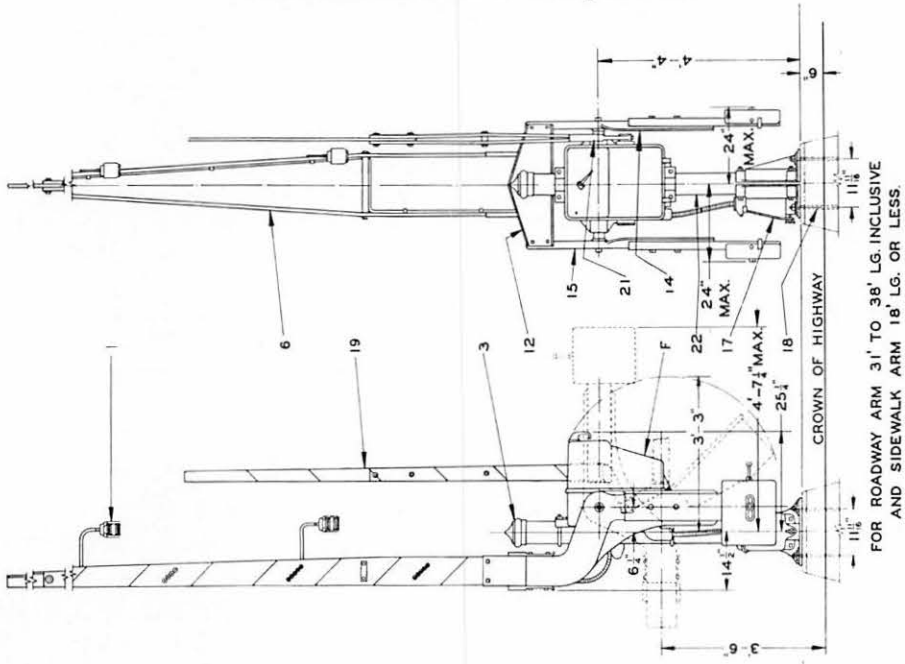
PLATE G167

WESTERN RAILROAD SUPPLY COMPANY

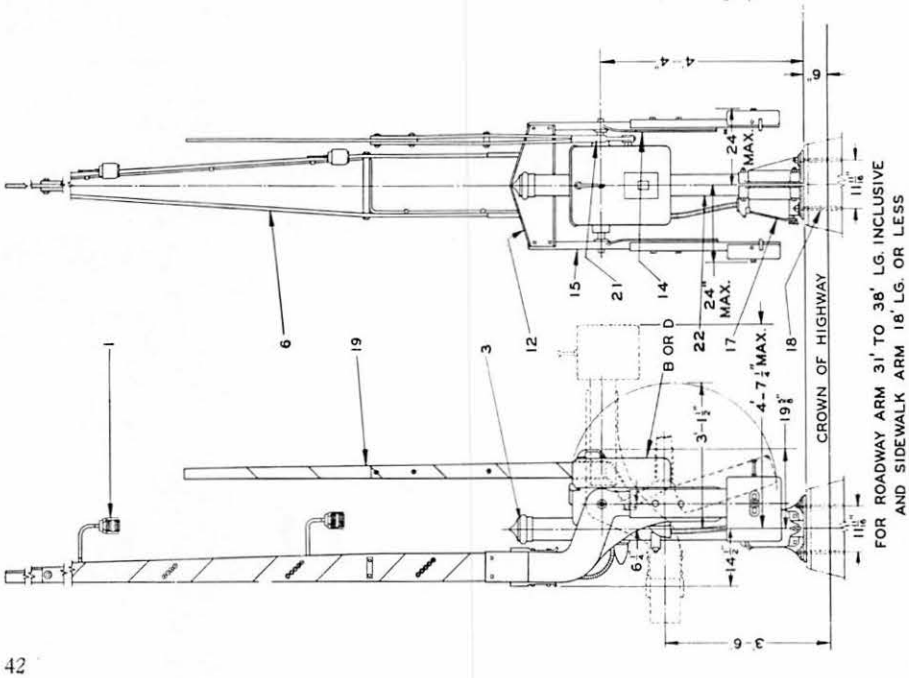
Model 10 Highway Crossing Signal

STUB POLE AUTOMATIC GATE ASSEMBLIES

For use with Cantilever Type Flashing Light Signals, as illustrated on Page 37, or on Leaving Side of Tracks Where Four Gates Are Required
For Roadway Arm 31′ to 38′ Long
and Sidewalk Arm 18′ Long or Less



Type A-658A, with Type 3566 Mechanism



Type A-551A, with Type 3564 Mechanism

WESTERN RAILROAD SUPPLY COMPANY

Model 10 Highway Crossing Signal

STUB POLE AUTOMATIC GATE ASSEMBLIES

For use with Cantilever Type Flashing Light Signals, as illustrated on Page 37, or on Leaving Side of Tracks Where Four Gates Are Required
For Roadway Arm 31′ to 38′ Long
and Sidewalk Arm 18′ Long or Less

Type A-551A Type A-658A

ORDERING REFERENCE

Specify Plate G167, Reference Number, Type and Description.
Description: Model 10 Highway Crossing Signal—Automatic Gate Assembly

Ref. No.	Type of Assembly	Type of Mechanism*
1	A-551A	3564–72
2	A-551A	3564–132
3	A-658A	3566–122

SPECIFY THE FOLLOWING—

(a) Length of Roadway Arm (Tip of Arm to Center of Mast).
(b) Length of Sidewalk Arm (Tip of Arm to Center of Mast).

Note: Sidewalk arm may be furnished with one or more gate light units, if specified.

UNLESS OTHERWISE SPECIFIED, THE FOLLOWING WILL BE FURNISHED—

Anchor Bolts, 1″ x 36″.
10 V., 18 W., S.C.B.B. Type S-11 Bulb Incandescent Lamps.
No. 1585 Fresnel Lens Type Gate Light; unless 1573-50 Two-Way Indication Gate Light, Section G, Part No. 2, is Specified.
Gate Light Spacing Per Page No. 74.

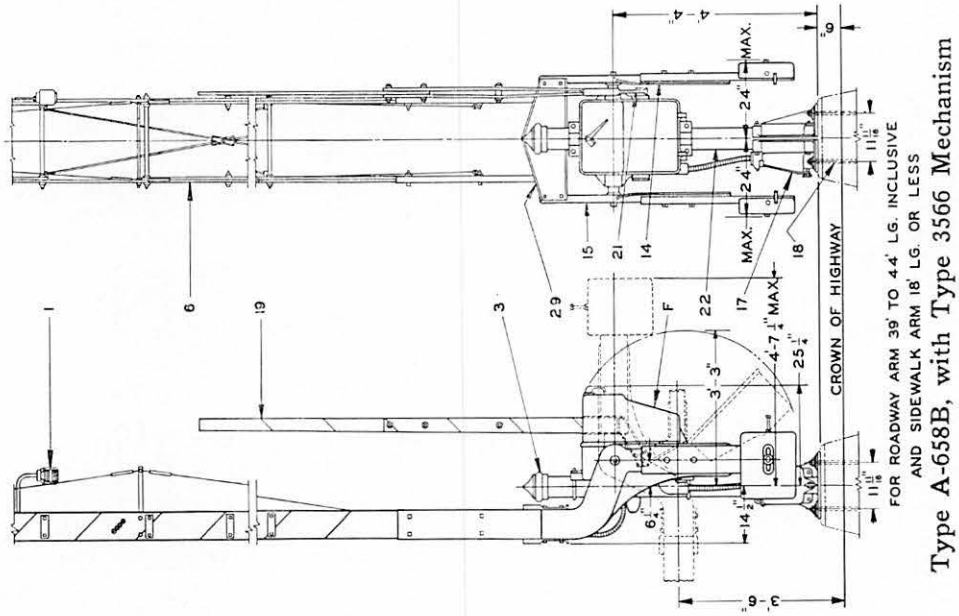
* *See pages 3, 6 and 7.*

FOR ORDERING REFERENCES FOR DETAIL PARTS OF THESE ASSEMBLIES, SEE PLATE G190

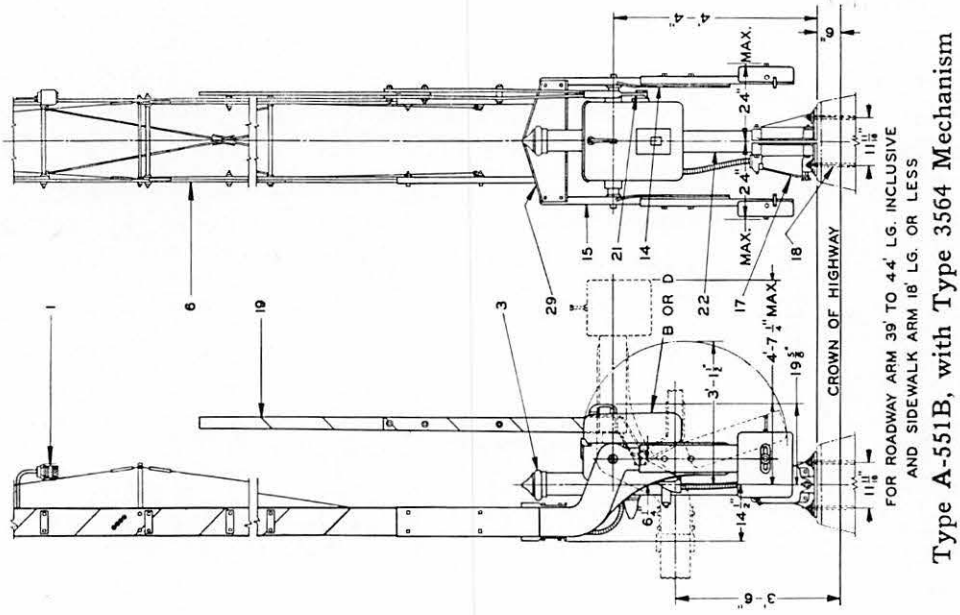
Model 10 Highway Crossing Signal

STUB POLE AUTOMATIC GATE ASSEMBLIES

For use with Cantilever Type Flashing Light Signals, as illustrated on Page 37, or on Leaving Side of Tracks Where Four Gates Are Required
For Roadway Arm 39′ to 44′ Long
and Sidewalk Arm 18′ Long or Less



Type A-658B, with Type 3566 Mechanism



Type A-551B, with Type 3564 Mechanism

WESTERN RAILROAD SUPPLY COMPANY

Model 10 Highway Crossing Signal

STUB POLE AUTOMATIC GATE ASSEMBLIES

For use with Cantilever Type Flashing Light Signals, as illustrated on Page 37, or on Leaving Side of Tracks Where Four Gates Are Required
For Roadway Arm 39′ to 44′ Long
and Sidewalk Arm 18′ Long or Less

Type A-551B Type A-658B

ORDERING REFERENCE

Specify Plate G168, Reference Number, Type and Description.
Description: Model 10 Highway Crossing Signal—Automatic Gate Assembly

Ref. No.	Type of Assembly	Type of Mechanism*
1	A-551B	3564–72
2	A-551B	3564–132
3	A-658B	3566–122

SPECIFY THE FOLLOWING—

(a) Length of Roadway Arm (Tip of Arm to Center of Mast).
(b) Length of Sidewalk Arm (Tip of Arm to Center of Mast).

Note: Sidewalk arm may be furnished with one or more gate light units, if specified.

UNLESS OTHERWISE SPECIFIED, THE FOLLOWING WILL BE FURNISHED—

Anchor Bolts, 1″ x 36″.
10 V., 18 W., S.C.B.B. Type S-11 Bulb Incandescent Lamps.
No. 1585 Fresnel Lens Type Gate Light; unless 1573-50 Two-Way Indication Gate Light, Section G, Part No. 2, is Specified.
Gate Light Spacing Per Page No. 74.

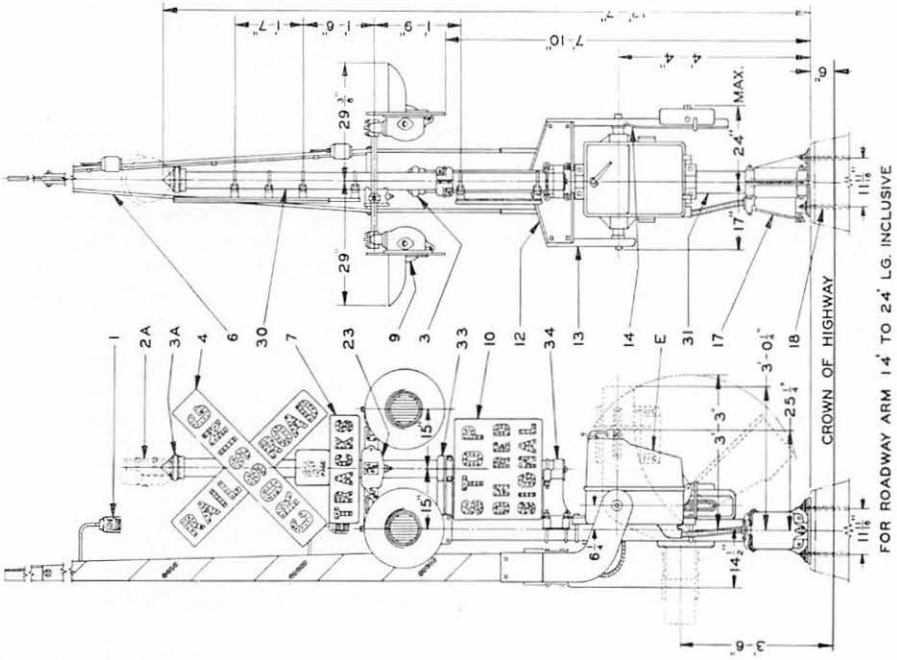
** See pages 3, 6 and 7.*

FOR ORDERING REFERENCES FOR DETAIL PARTS OF THESE ASSEMBLIES, SEE PLATE G190

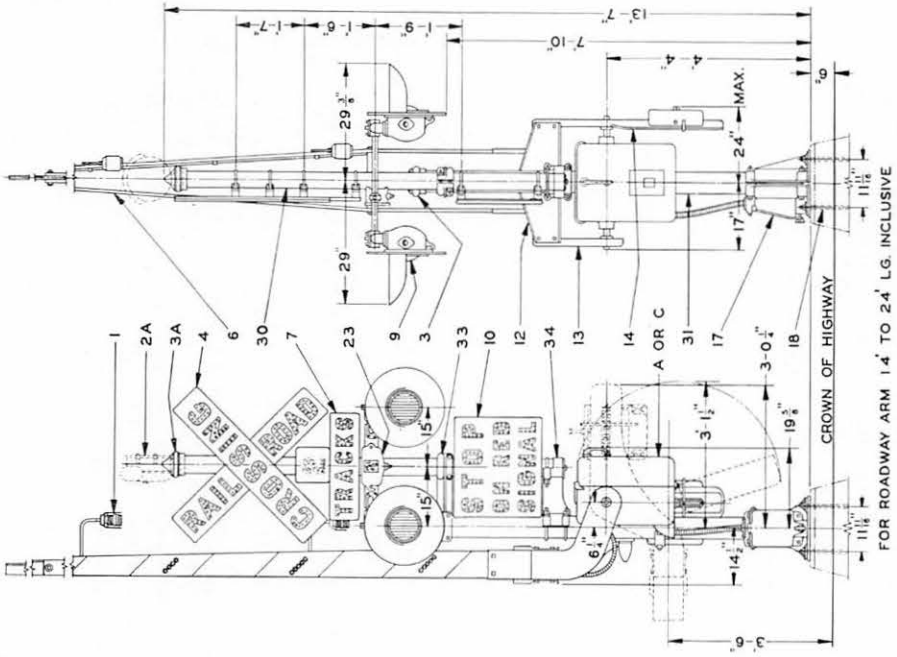
WESTERN RAILROAD SUPPLY COMPANY

Model 10 Highway Crossing Signal

OFF-SET MAST TYPE
FLASHING LIGHT AND AUTOMATIC GATE ASSEMBLIES
For Roadway Arm 14′ to 24′ Long



Type A-659, with Type 3566 Mechanism



Type A-529, with Type 3564 Mechanism

WESTERN RAILROAD SUPPLY COMPANY

Model 10 Highway Crossing Signal

OFF-SET MAST TYPE
FLASHING LIGHT AND AUTOMATIC GATE ASSEMBLIES
For Roadway Arm 14′ to 24′ Long

Type A-529 Type A-659

ORDERING REFERENCE
Specify Plate G170, Reference Number, Type and Description.
Description: Model 10 Highway Crossing Signal, Flashing Light and Automatic Gate Assembly

Ref. No.	Type of Assembly	Type of Mechanism*	Type of Railroad Crossing Sign	Crossing Bell or Pinnacle
1	A-529	3564-71	Reflector	Crossing Bell
2	A-529	3564-71	Reflector	Pinnacle
3	A-529	3564-71	Cast Iron	Crossing Bell
4	A-529	3564-71	Cast Iron	Pinnacle
5	A-529	3564-131	Reflector	Crossing Bell
6	A-529	3564-131	Reflector	Pinnacle
7	A-529	3564-131	Cast Iron	Crossing Bell
8	A-529	3564-131	Cast Iron	Pinnacle
9	A-659	3566-121	Reflector	Crossing Bell
10	A-659	3566-121	Reflector	Pinnacle
11	A-659	3566-121	Cast Iron	Crossing Bell
12	A-659	3566-121	Cast Iron	Pinnacle

SPECIFY THE FOLLOWING—

(a) Length of Roadway Arm (Tip of Arm to Center of 5″ Mast).
(b) Numeral Required on "Number of Tracks" Sign.

UNLESS OTHERWISE SPECIFIED, THE FOLLOWING WILL BE FURNISHED—

Anchor Bolts, 1″ x 36″.
10 V., 18 W., S.C.B.B. Type S-11 Bulb Incandescent Lamps.
Type 222CR Crossing Bell (Section B, Plate B-5) (When Required).
Type 950-201 Flashing Light Units (Section D, Plate D370).
"Stop on Red Signal" Sign.
No. 1585 Fresnel Lens Type Gate Light; unless 1573-50 Two-Way Indication Gate Light, Section G, Part No. 2, is Specified.
Gate Light Spacing Per Page No. 74.

Note: When specified, mechanism can be furnished with sidewalk arm shaft having protecting cap over exposed end, should future use of sidewalk arm be contemplated.

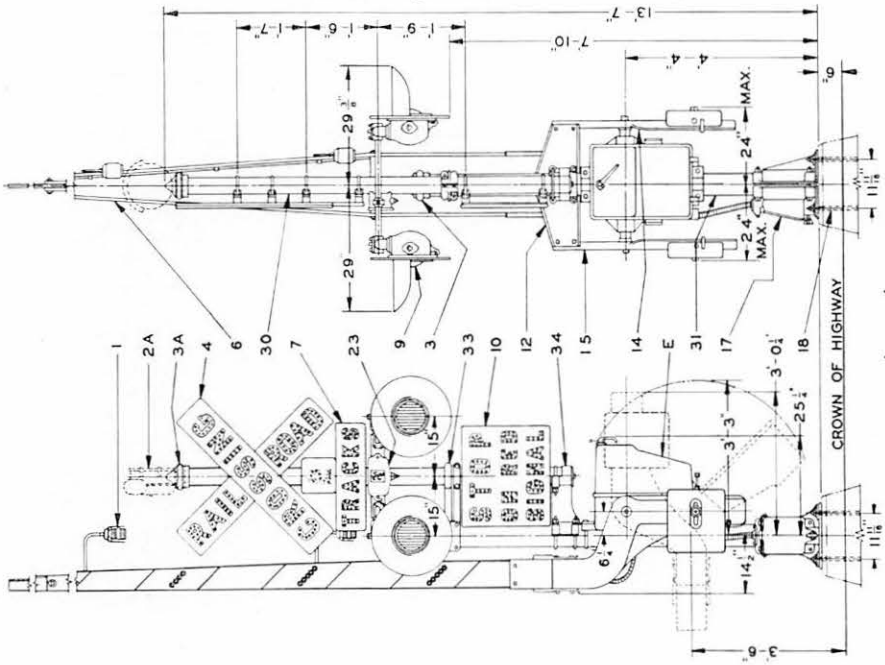
** See pages 3, 6 and 7.*

FOR ORDERING REFERENCES FOR DETAIL PARTS OF THESE ASSEMBLIES, SEE PLATE G190

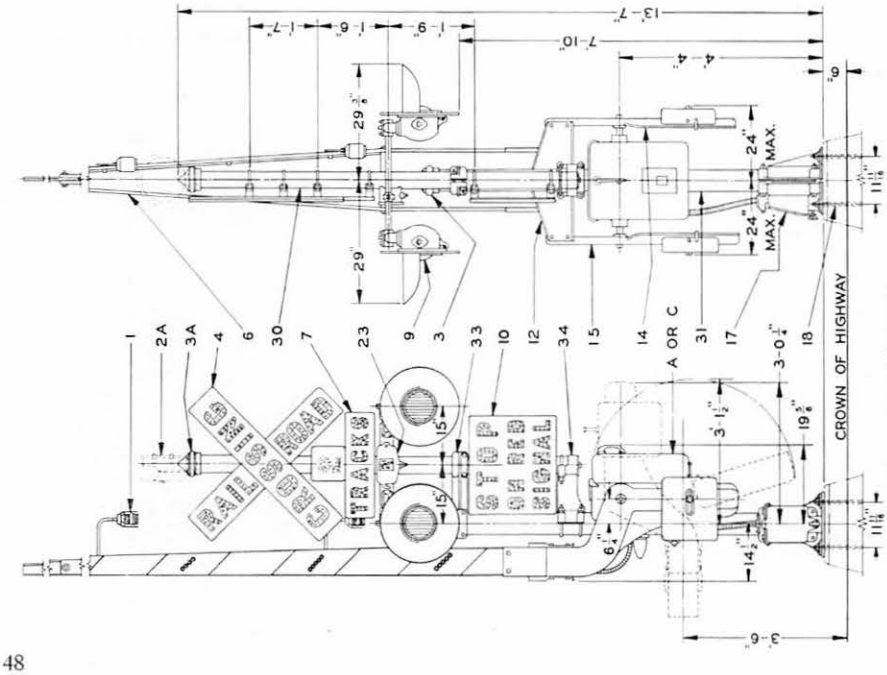
WESTERN RAILROAD SUPPLY COMPANY

Model 10 Highway Crossing Signal

OFF-SET MAST TYPE
FLASHING LIGHT AND AUTOMATIC GATE ASSEMBLIES
For Roadway Arm 25′ to 30′ Long



Type A-660, with Type 3566 Mechanism



Type A-533, with Type 3564 Mechanism

WESTERN RAILROAD SUPPLY COMPANY

Model 10 Highway Crossing Signal

OFF-SET MAST TYPE
FLASHING LIGHT AND AUTOMATIC GATE ASSEMBLIES
For Roadway Arm 25′ to 30′ Long

Type A-533 Type A-660

ORDERING REFERENCE

Specify Plate G171, Reference Number, Type and Description.

Description: Model 10 Highway Crossing Signal, Flashing Light and Automatic Gate Assembly

Ref. No.	Type of Assembly	Type of Mechanism*	Type of Railroad Crossing Sign	Crossing Bell or Pinnacle
1	A-533	3564-71	Reflector	Crossing Bell
2	A-533	3564-71	Reflector	Pinnacle
3	A-533	3564-71	Cast Iron	Crossing Bell
4	A-533	3564-71	Cast Iron	Pinnacle
5	A-533	3564-131	Reflector	Crossing Bell
6	A-533	3564-131	Reflector	Pinnacle
7	A-533	3564-131	Cast Iron	Crossing Bell
8	A-533	3564-131	Cast Iron	Pinnacle
9	A-660	3566-121	Reflector	Crossing Bell
10	A-660	3566-121	Reflector	Pinnacle
11	A-660	3566-121	Cast Iron	Crossing Bell
12	A-660	3566-121	Cast Iron	Pinnacle

SPECIFY THE FOLLOWING—

(a) Length of Roadway Arm (Tip of Arm to Center of 5″ Mast).
(b) Numeral Required on "Number of Tracks" Sign.

UNLESS OTHERWISE SPECIFIED, THE FOLLOWING WILL BE FURNISHED—

Anchor Bolts, 1″ x 36″.
10 V., 18 W., S.C.B.B. Type S-11 Bulb Incandescent Lamps.
Type 222CR Crossing Bell (Section B, Plate B-5) (When Required).
Type 950-201 Flashing Light Units (Section D, Plate D370).
"Stop on Red Signal" Sign.
No. 1585 Fresnel Lens Type Gate Light; unless 1573-50 Two-Way Indication Gate Light, Section G, Part No. 2, is Specified.
Gate Light Spacing Per Page No. 74.

Note: When specified, mechanism can be furnished with sidewalk arm shaft having protecting cap over exposed end, should future use of sidewalk arm be contemplated.

* *See pages 3, 6 and 7.*

FOR ORDERING REFERENCES FOR DETAIL PARTS OF THESE ASSEMBLIES, SEE PLATE G190

PLATE G172

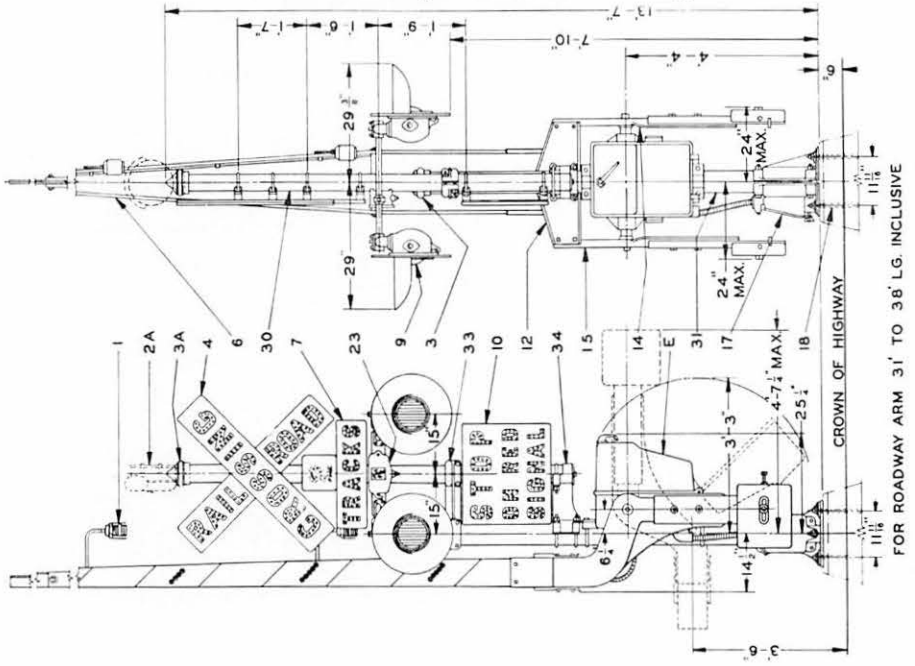
WESTERN RAILROAD SUPPLY COMPANY

Model 10 Highway Crossing Signal

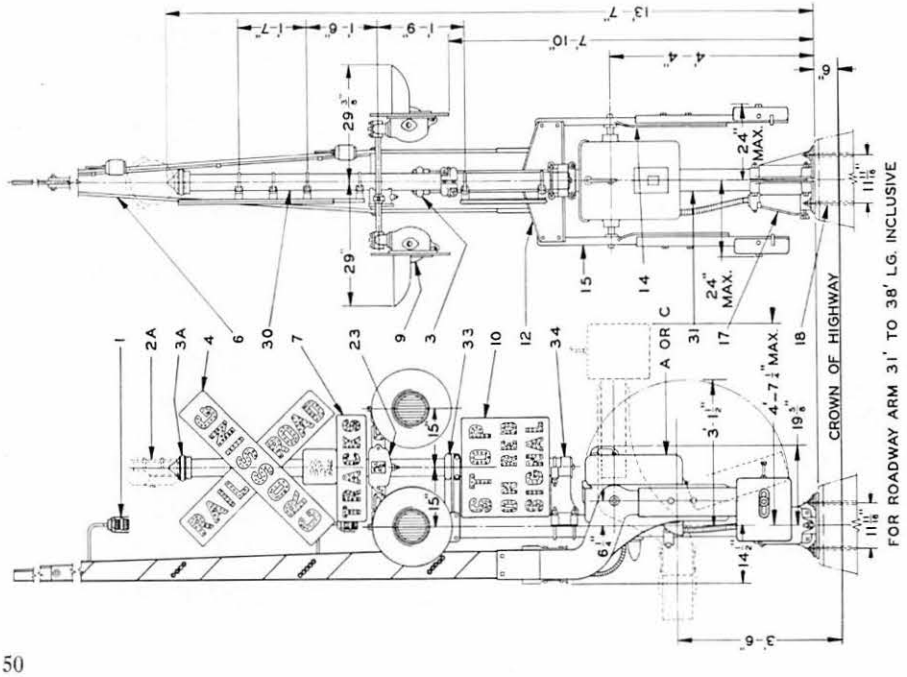
OFF-SET MAST TYPE

FLASHING LIGHT AND AUTOMATIC GATE ASSEMBLIES

For Roadway Arm 31′ to 38′ Long



Type A-660A, with Type 3566 Mechanism



Type A-533A, with Type 3564 Mechanism

Model 10 Signal With Off-set Mast and Extra Lights for Side Street

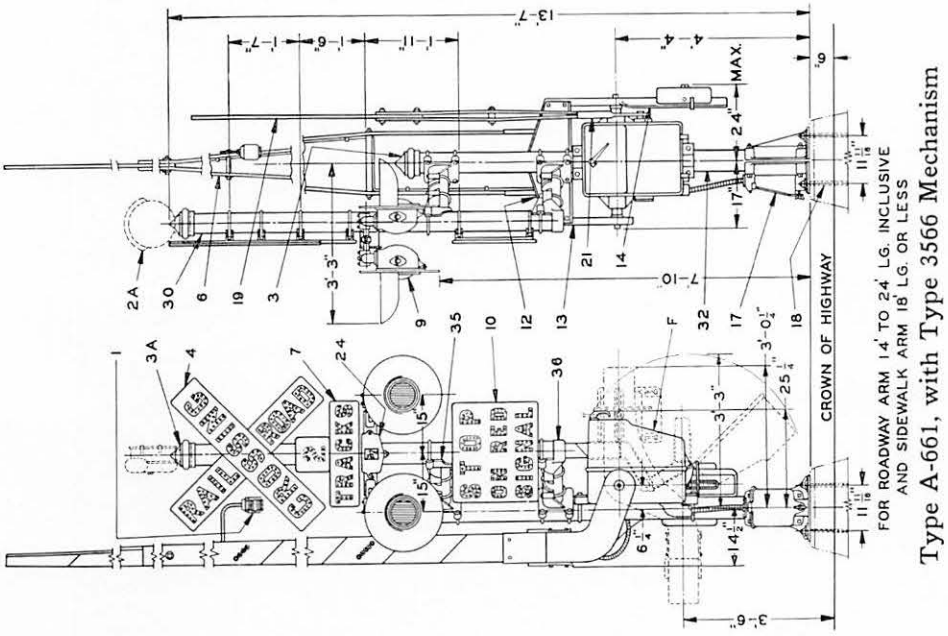
MEMORANDA

WESTERN RAILROAD SUPPLY COMPANY

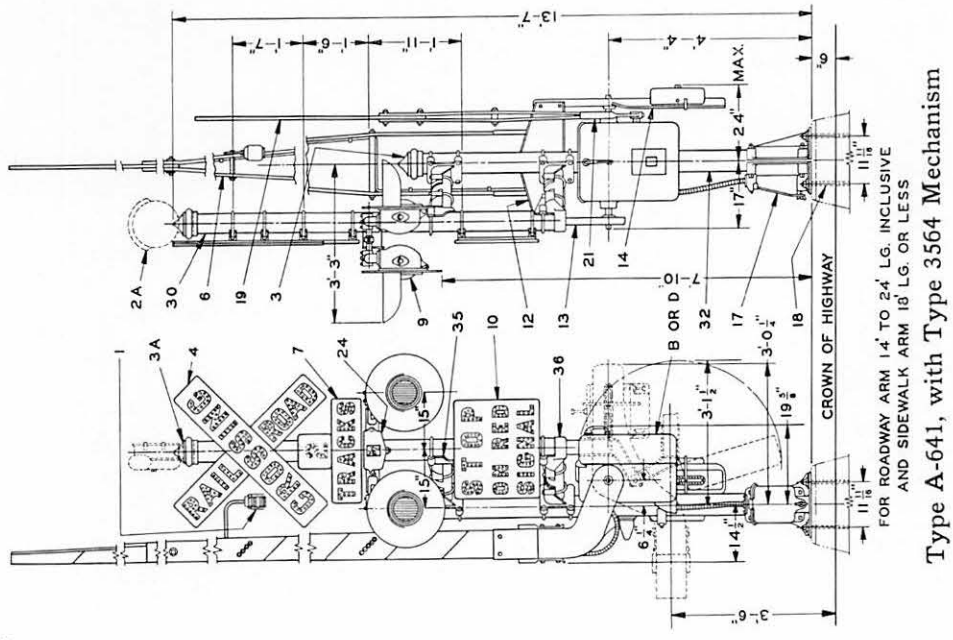
Model 10 Highway Crossing Signal

OFF-SET MAST TYPE
FLASHING LIGHT AND AUTOMATIC GATE ASSEMBLIES

For Roadway Arm 14′ to 24′ Long
and Sidewalk Arm 18′ Long or Less



Type A-661, with Type 3566 Mechanism



Type A-641, with Type 3564 Mechanism

WESTERN RAILROAD SUPPLY COMPANY

Model 10 Highway Crossing Signal

OFF-SET MAST TYPE
FLASHING LIGHT AND AUTOMATIC GATE ASSEMBLIES
For Roadway Arm 14′ to 24′ Long
and Sidewalk Arm 18′ Long or Less

Type A-641 Type A-661

ORDERING REFERENCE
Specify Plate G175, Reference Number, Type and Description.

Description: Model 10 Highway Crossing Signal, Flashing Light and Automatic Gate Assembly

Ref. No.	Type of Assembly	Type of Mechanism*	Type of Railroad Crossing Sign	Crossing Bell or Pinnacle
1	A-641	3564–72	Reflector	Crossing Bell
2	A-641	3564–72	Reflector	Pinnacle
3	A-641	3564–72	Cast Iron	Crossing Bell
4	A-641	3564–72	Cast Iron	Pinnacle
5	A-641	3564–132	Reflector	Crossing Bell
6	A-641	3564–132	Reflector	Pinnacle
7	A-641	3564–132	Cast Iron	Crossing Bell
8	A-641	3564–132	Cast Iron	Pinnacle
9	A-661	3566–122	Reflector	Crossing Bell
10	A-661	3566–122	Reflector	Pinnacle
11	A-661	3566–122	Cast Iron	Crossing Bell
12	A-661	3566–122	Cast Iron	Pinnacle

SPECIFY THE FOLLOWING—

(a) Length of Roadway Arm (Tip of Arm to Center of 5″ Mast).
(b) Numeral Required on "Number of Tracks" Sign.
(c) Length of Sidewalk Arm (Tip of Arm to Center of 5″ Mast).

Note: Sidewalk arm will be furnished with one or more gate lights, if specified.

UNLESS OTHERWISE SPECIFIED, THE FOLLOWING WILL BE FURNISHED—

Anchor Bolts, 1″ x 36″.
10 V., 18 W., S.C.B.B. Type S-11 Bulb Incandescent Lamps.
Type 222CR Crossing Bell (Section B, Plate B-5) (When Required).
Type 950-201 Flashing Light Units (Section D, Plate D370).
"Stop on Red Signal" Sign.
No. 1585 Fresnel Lens Type Gate Light; unless 1573-50 Two-Way Indication Gate Light, Section G, Part No. 2, is Specified.
Gate Light Spacing Per Page No. 74.

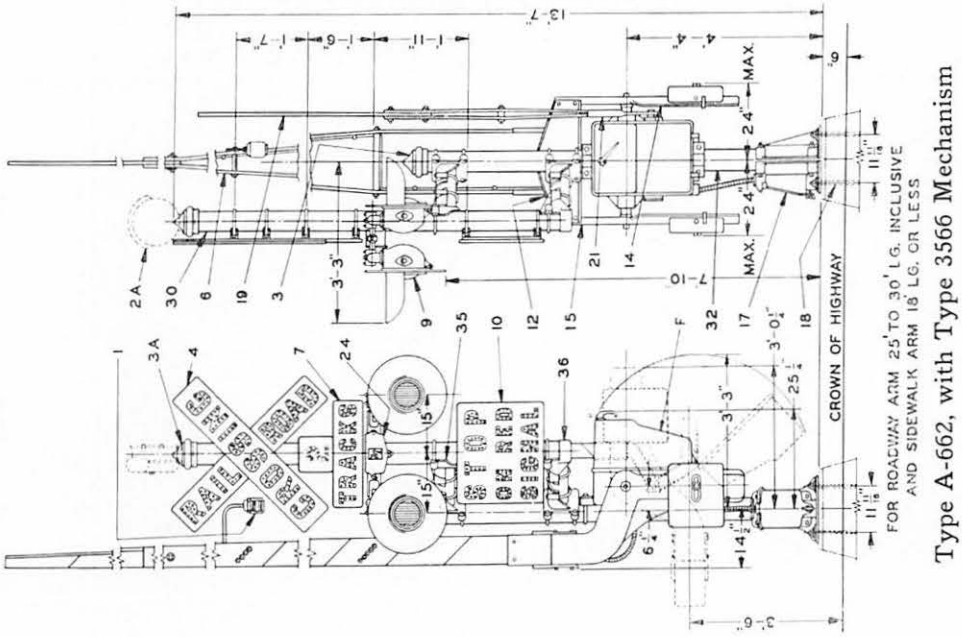
* *See pages 3, 6 and 7.*

FOR ORDERING REFERENCES FOR DETAIL PARTS OF THESE ASSEMBLIES, SEE PLATE G190

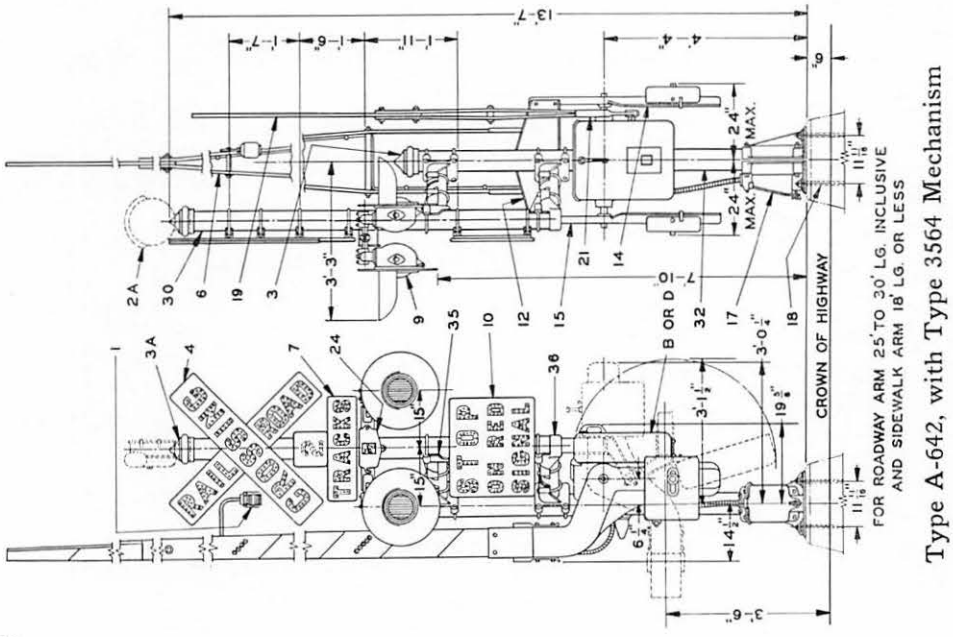
WESTERN RAILROAD SUPPLY COMPANY

Model 10 Highway Crossing Signal

OFF-SET MAST TYPE
FLASHING LIGHT AND AUTOMATIC GATE ASSEMBLIES
For Roadway Arm 25′ to 30′ Long
and Sidewalk Arm 18′ Long or Less



Type A-662, with Type 3566 Mechanism



Type A-642, with Type 3564 Mechanism

Model 10 Highway Crossing Signal

OFF-SET MAST TYPE
FLASHING LIGHT AND AUTOMATIC GATE ASSEMBLIES
For Roadway Arm 25′ to 30′ Long
and Sidewalk Arm 18′ Long or Less
Type A-642 Type A-662

ORDERING REFERENCE

Specify Plate G176, Reference Number, Type and Description.

Description: Model 10 Highway Crossing Signal, Flashing Light and Automatic Gate Assembly

Ref. No.	Type of Assembly	Type of Mechanism*	Type of Railroad Crossing Sign	Crossing Bell or Pinnacle
1	A-642	3564-72	Reflector	Crossing Bell
2	A-642	3564-72	Reflector	Pinnacle
3	A-642	3564-72	Cast Iron	Crossing Bell
4	A-642	3564-72	Cast Iron	Pinnacle
5	A-642	3564-132	Reflector	Crossing Bell
6	A-642	3564-132	Reflector	Pinnacle
7	A-642	3564-132	Cast Iron	Crossing Bell
8	A-642	3564-132	Cast Iron	Pinnacle
9	A-662	3566-122	Reflector	Crossing Bell
10	A-662	3566-122	Reflector	Pinnacle
11	A-662	3566-122	Cast Iron	Crossing Bell
12	A-662	3566-122	Cast Iron	Pinnacle

SPECIFY THE FOLLOWING—

(a) Length of Roadway Arm (Tip of Arm to Center of 5″ Mast).
(b) Numeral Required on "Number of Tracks" Sign.
(c) Length of Sidewalk Arm (Tip of Arm to Center of 5″ Mast).

Note: Sidewalk arm will be furnished with one or more gate lights, if specified.

UNLESS OTHERWISE SPECIFIED, THE FOLLOWING WILL BE FURNISHED—

Anchor Bolts, 1″ x 36″.
10 V., 18 W., S.C.B.B. Type S-11 Bulb Incandescent Lamps.
Type 222CR Crossing Bell (Section B, Plate B-5) (When Required).
Type 950-201 Flashing Light Units (Section D, Plate D370).
"Stop on Red Signal" Sign.
No. 1585 Fresnel Lens Type Gate Light; unless 1573-50 Two-Way Indication Gate Light, Section G, Part No. 2, is Specified.
Gate Light Spacing Per Page No. 74.

* *See pages 3, 6 and 7.*

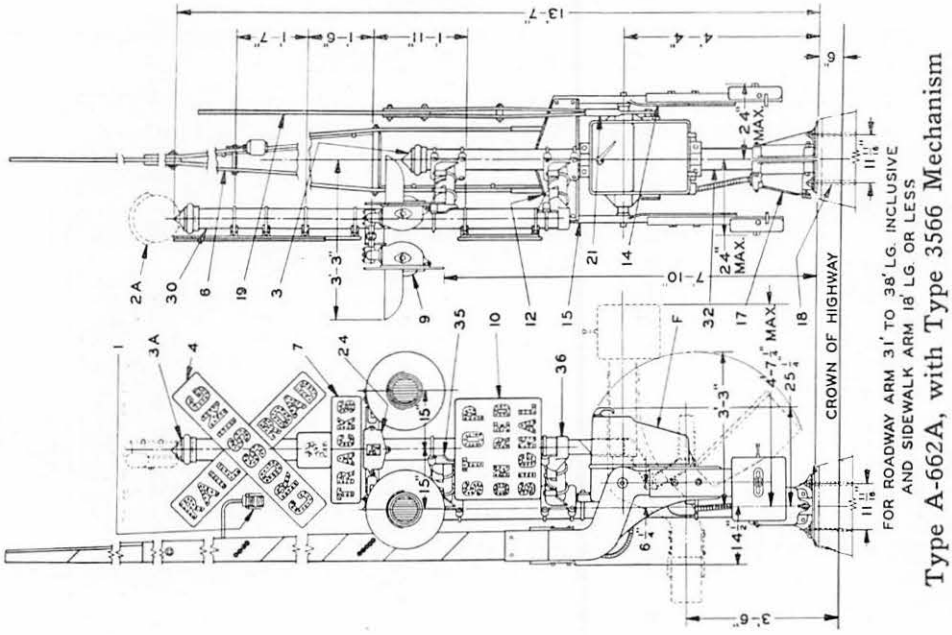
FOR ORDERING REFERENCES FOR DETAIL PARTS OF THESE ASSEMBLIES, SEE PLATE G190

WESTERN RAILROAD SUPPLY COMPANY

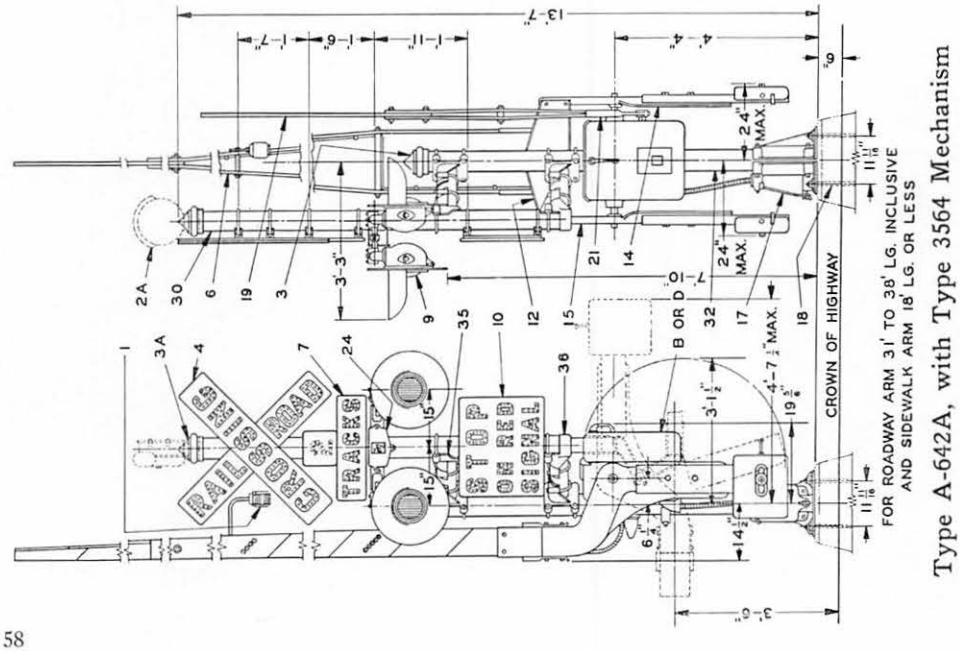
Model 10 Highway Crossing Signal

OFF-SET MAST TYPE
FLASHING LIGHT AND AUTOMATIC GATE ASSEMBLIES

For Roadway Arm 31′ to 38′ Long
and Sidewalk Arm 18′ Long or Less



Type A-662A, with Type 3566 Mechanism



Type A-642A, with Type 3564 Mechanism

WESTERN RAILROAD SUPPLY COMPANY

Model 10 Highway Crossing Signal

OFF-SET MAST TYPE
FLASHING LIGHT AND AUTOMATIC GATE ASSEMBLIES
For Roadway Arm 31′ to 38′ Long
and Sidewalk Arm 18′ Long or Less
Type A-642A Type A-662A

ORDERING REFERENCE

Specify Plate G177, Reference Number, Type and Description.

Description: Model 10 Highway Crossing Signal, Flashing Light and Automatic Gate Assembly

Ref. No.	Type of Assembly	Type of Mechanism*	Type of Railroad Crossing Sign	Crossing Bell or Pinnacle
1	A-642A	3564-72	Reflector	Crossing Bell
2	A-642A	3564-72	Reflector	Pinnacle
3	A-642A	3564-72	Cast Iron	Crossing Bell
4	A-642A	3564-72	Cast Iron	Pinnacle
5	A-642A	3564-132	Reflector	Crossing Bell
6	A-642A	3564-132	Reflector	Pinnacle
7	A-642A	3564-132	Cast Iron	Crossing Bell
8	A-642A	3564-132	Cast Iron	Pinnacle
9	A-662A	3566-122	Reflector	Crossing Bell
10	A-662A	3566-122	Reflector	Pinnacle
11	A-662A	3566-122	Cast Iron	Crossing Bell
12	A-662A	3566-122	Cast Iron	Pinnacle

SPECIFY THE FOLLOWING—

(a) Length of Roadway Arm (Tip of Arm to Center of 5″ Mast).
(b) Numeral Required on "Number of Tracks" Sign.
(c) Length of Sidewalk Arm (Tip of Arm to Center of 5″ Mast).

Note: Sidewalk arm will be furnished with one or more gate lights, if specified.

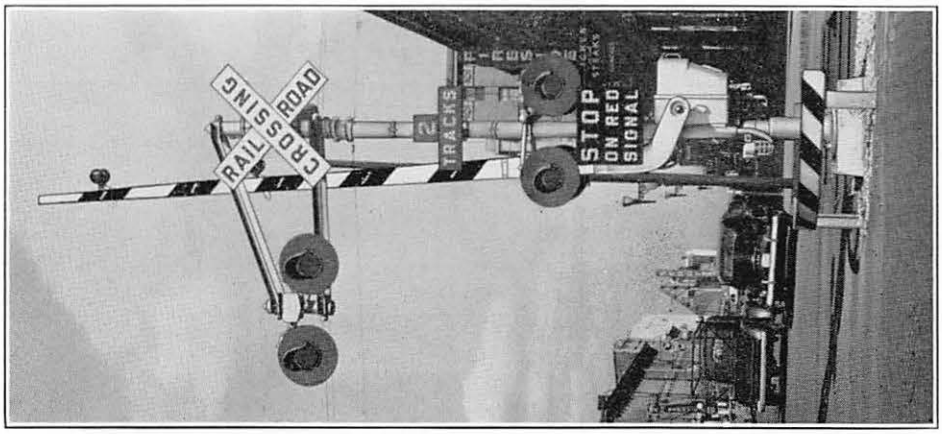
UNLESSS OTHERWISE SPECIFIED, THE FOLLOWING WILL BE FURNISHED—

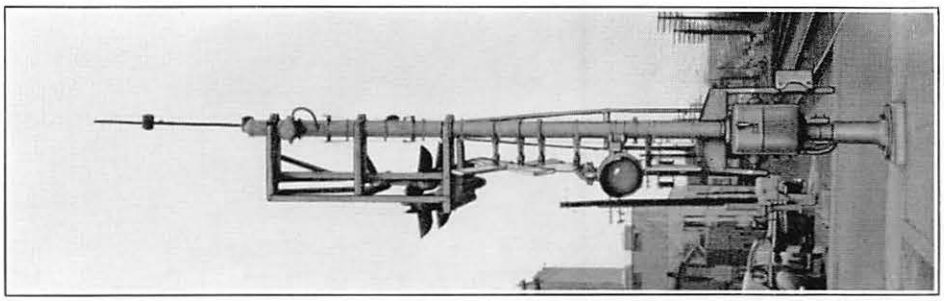
Anchor Bolts, 1″ x 36″.
10 V., 18 W., S.C.B.B. Type S-11 Bulb Incandescent Lamps.
Type 222CR Crossing Bell (Section B, Plate B-5) (When Required).
Type 950-201 Fashing Light Units (Section D, Plate D370).
"Stop on Red Signal" Sign.
No. 1585 Fresnel Lens Type Gate Light; unless 1573-50 Two-Way Indication Gate Light, Section G, Part No. 2, is Specified.
Gate Light Spacing Per Page No. 74.

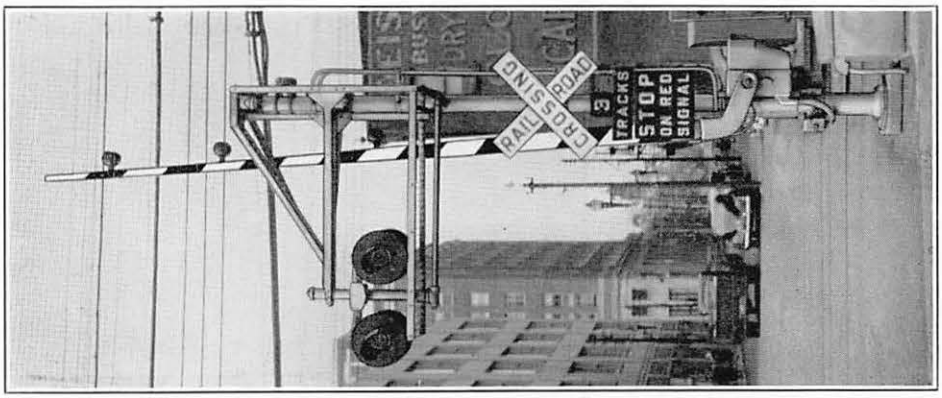
* *See pages 3, 6 and 7.*

FOR ORDERING REFERENCES FOR DETAIL PARTS OF THESE ASSEMBLIES, SEE PLATE G190

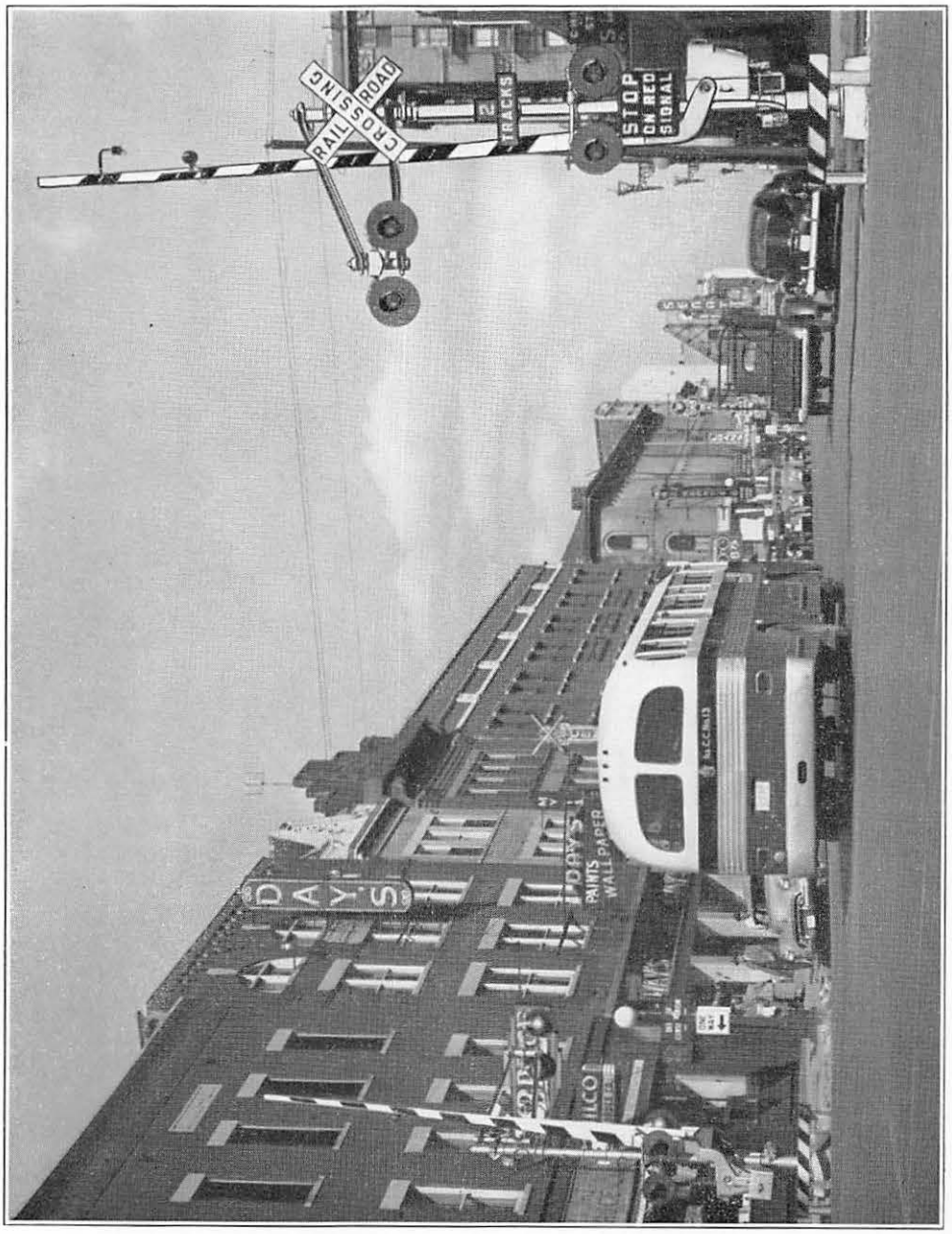
Off-set Cantilever Assemblies Designed to Meet Special Requirements







Off-set Cantilever Assemblies Designed to Meet Special Requirements

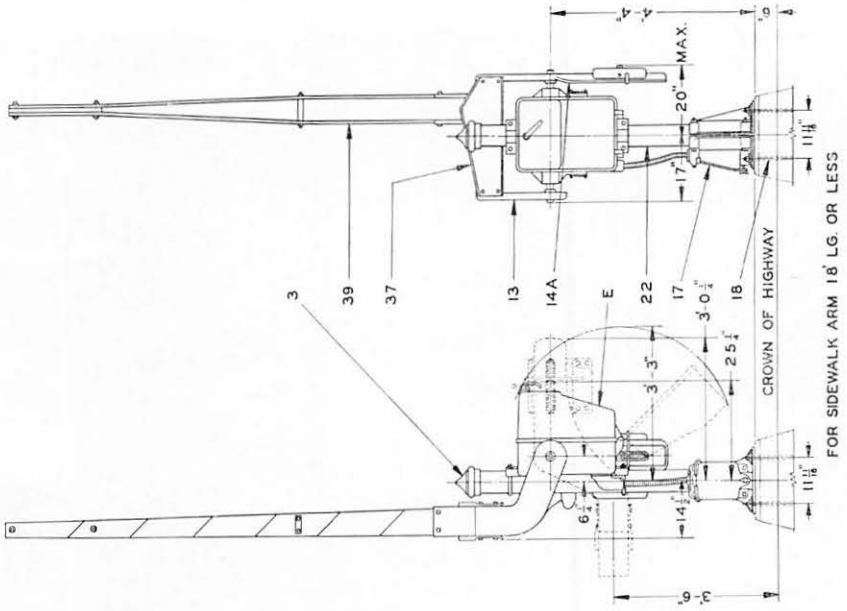


WESTERN RAILROAD SUPPLY COMPANY

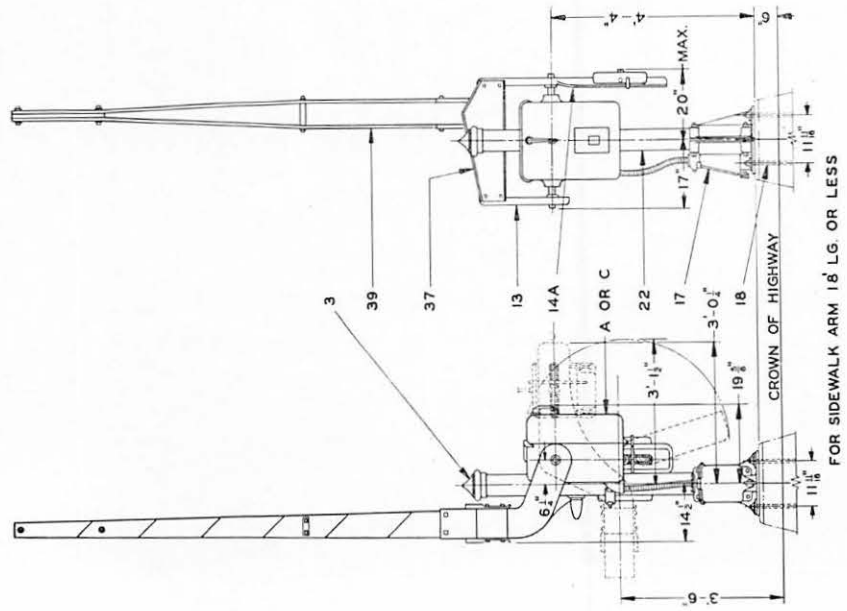
Model 10 Crossing Signal

AUTOMATIC SIDEWALK GATE ASSEMBLY

For Sidewalk Arm 18′ Long or Less



Type A-698, with Type 3566 Mechanism



Type A-598, with Type 3564 Mechanism

WESTERN RAILROAD SUPPLY COMPANY

Model 10 Crossing Signal

AUTOMATIC SIDEWALK GATE ASSEMBLIES

For Sidewalk Arm 18′ Long or Less

Type A-598 Type A-698

ORDERING REFERENCE

Specify Plate G180, Reference Number, Type and Description.

Description: Model 10 Crossing Signal—Automatic Sidewalk Gate Assembly

Ref. No.	Type of Assembly	Type of Mechanism*
1	A-598	3564–71
2	A-598	3564–131
3	A-698	3566–121

SPECIFY THE FOLLOWING—

(a) Length of Sidewalk Arm (Tip of Arm to Center of Mast).

UNLESS OTHERWISE SPECIFIED, ANCHOR BOLTS WILL BE FURNISHED, 1″ x 36″.

** See pages 3, 6 and 7.*

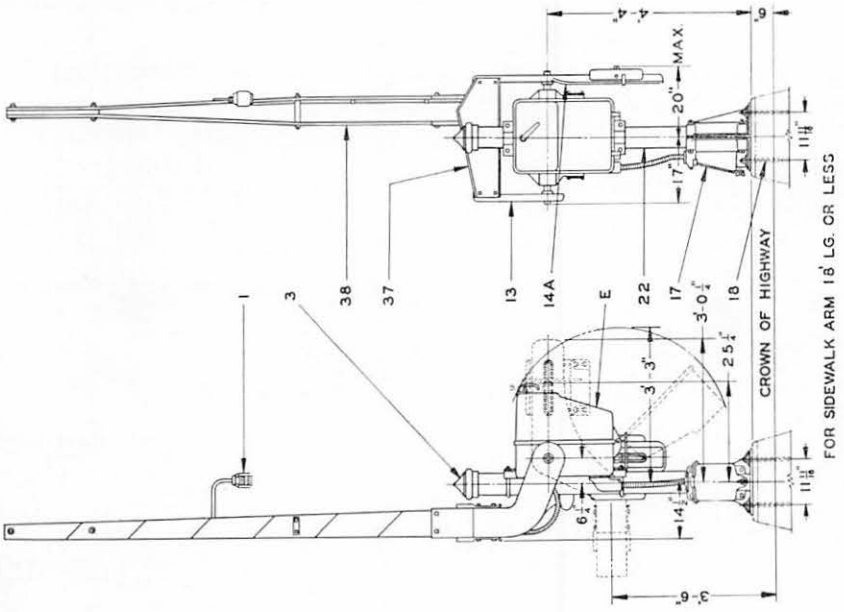
FOR ORDERING REFERENCES FOR DETAIL PARTS OF THESE ASSEMBLIES, SEE PLATE G190

WESTERN RAILROAD SUPPLY COMPANY

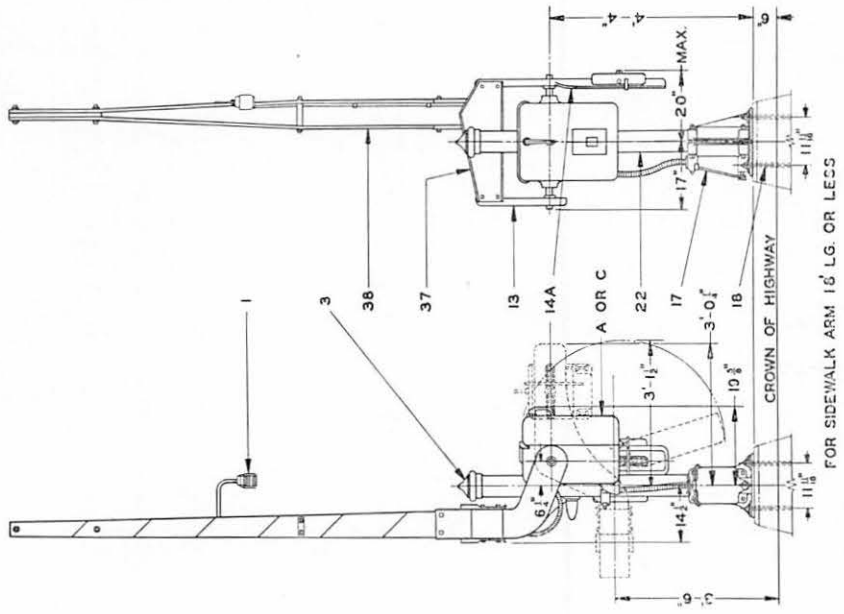
Model 10 Crossing Signal

AUTOMATIC SIDEWALK GATE ASSEMBLY

For Sidewalk Arm 18′ Long or Less



Type A-698A, with Type 3566 Mechanism



Type A-598A, with Type 3564 Mechanism

WESTERN RAILROAD SUPPLY COMPANY

Model 10 Crossing Signal

AUTOMATIC SIDEWALK GATE ASSEMBLIES

For Sidewalk Arm 18′ Long or Less

Type A-598A Type A-698A

ORDERING REFERENCE

Specify Plate G181, Reference Number, Type and Description.

Description: Model 10 Crossing Signal—Automatic Sidewalk Gate Assembly

Ref. No.	Type of Assembly	Type of Mechanism*
1	A-598A	3564–71
2	A-598A	3564–131
3	A-698A	3566–121

SPECIFY THE FOLLOWING—

(a) Length of Sidewalk Arm (Tip of Arm to Center of Mast).

(b) Type of Gate Light (No. 1585 Gate Light with Fresnel Type Lens, or No. 1573-50 Gate Light with Two-Way Indication Type Lenses, Section G, Part 2).

UNLESS OTHERWISE SPECIFIED, ANCHOR BOLTS WILL BE FURNISHED, 1″ x 36″.

* *See pages 3, 6 and 7.*

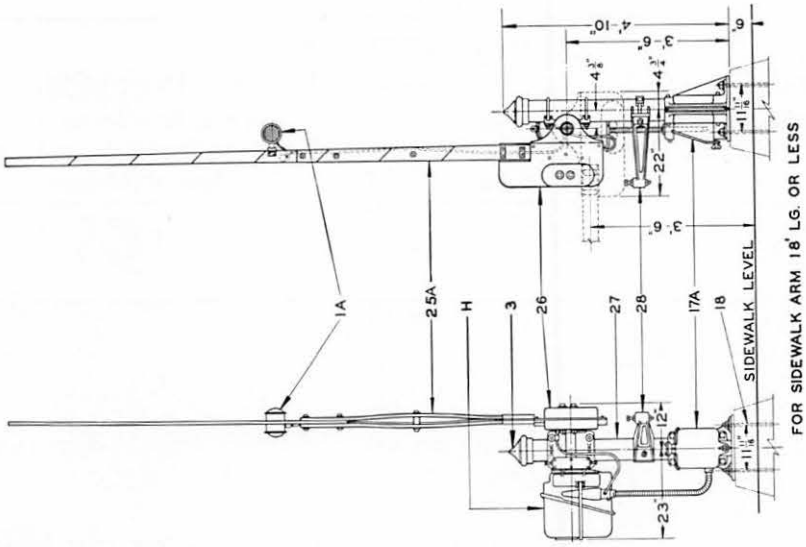
FOR ORDERING REFERENCES FOR DETAIL PARTS OF THESE ASSEMBLIES, SEE PLATE G190

WESTERN RAILROAD SUPPLY COMPANY

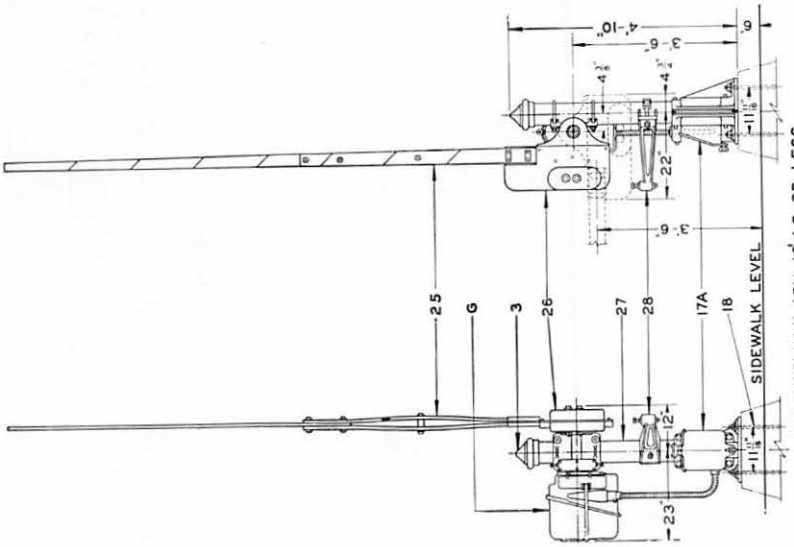
Model 10 Crossing Signal

AUTOMATIC SIDEWALK GATE ASSEMBLY

For Sidewalk Arm 18′ Long or Less



Type A-503GL-1A, with Type 3561 Mechanism



Type A-503GL-1, with Type 3561 Mechanism

WESTERN RAILROAD SUPPLY COMPANY

Model 10 Crossing Signal

AUTOMATIC SIDEWALK GATE ASSEMBLIES

For Sidewalk Arm 18′ Long or Less

Type A-503GL-1 Type A-503GL-1A

ORDERING REFERENCE

Specify Plate G185, Reference Number, Type and Description.

Description: Model 10 Crossing Signal—Automatic Sidewalk Gate Assembly

Ref. No.	Type of Assembly	Type of Mechanism*	With or Without Gate Light
1	A-503GL-1	3561-21GL-90	Without
2	A-503GL-1A	3561-21GLA-90	With

SPECIFY THE FOLLOWING—

(a) Length of Sidewalk Arm (Tip of Arm to Center of Mast).

(b) Type of Gate Light No. 1585 Gate Light with Fresnel Type Lens, or No. 1573-50 Gate Light with Two-Way Indication Type Lenses, Section G, Part 2.

UNLESS OTHERWISE SPECIFIED, ANCHOR BOLTS WILL BE FURNISHED, 1″ x 36″.

*See page 4.

FOR ORDERING REFERENCES FOR DETAIL PARTS OF THESE ASSEMBLIES, SEE PLATE G190

WESTERN RAILROAD SUPPLY COMPANY

Detail Parts for Model 10 Highway Crossing Signal

FLASHING LIGHT AND AUTOMATIC GATE ASSEMBLIES

ORDERING REFERENCE

Specify Plate Number G190, Reference Number, Description and Piece Number.

Ref. No.	Description	Piece No.
A	Crossing Gate Mechanism, 90° Operation, Gravity Down, Roadway Arm Only (For Details see Sec. G, Part 4)	3564–71C–90
B	Crossing Gate Mechanism, 90° Operation, Gravity Down, Roadway and Sidewalk Arm (For Details see Sec. G, Part 4)	3564–72C–90
C	Crossing Gate Mechanism, 90° Operation, Power Down, Roadway Arm Only (For Details see Sec. G, Part 4)	3564–131C–90
D	Crossing Gate Mechanism, 90° Operation, Power Down, Roadway and Sidewalk Arm (For Details see Sec. G, Part 4)	3564–132C–90
E	Crossing Gate Mechanism, 90° Operation, Power Down, Roadway Arm Only (For Details see Sec. G, Part 6)	3566–121C–90
F	Crossing Gate Mechanism, 90° Operation, Power Down, Roadway and Sidewalk Arm (For Details see Sec. G, Part 6)	3566–122C–90
G	Crossing Gate Mechanism, Single Bearing Type, for use with Sidewalk Arm Only (For Details see Pl. G514)	3561–21GL–90
H	Crossing Gate Mechanism, Single Bearing Type, for use with Sidewalk Arm Only, Having One Gate Light (For Details see Pl. G514)	3561–21GLA–90
1	Gate Light, Fresnel Lens Type (For Details see Pl. G209)	1585
1A	Gate Light, Two-Way Indication Type (For Details see Pl. G208)	1573–50
2	Crossing Bell for 5″ I.D. Pipe (For Details see Pl. B5)	222–FR
2A	Crossing Bell for 4″ I.D. Pipe (For Details see Pl. B5)	222–CR
3	Pinnacle for 5″ I.D. Pipe	12451
3A	Pinnacle for 4″ I.D. Pipe	12452
4	Railroad Crossing Sign, Reflector Type, Vitreous Enamel, for 4″ I.D. Pipe (For Details see Pl. H25)	3380–3
4A	Railroad Crossing Sign, Reflector Type, Vitreous Enamel, for 5″ I.D. Pipe (For Details see Pl. H25)	3380–3A
4B	Railroad Crossing Sign, Reflector Type, Synthetic Enamel, for 4″ I.D. Pipe (For Details see Pl. H25)	3380–4
4C	Railroad Crossing Sign, Reflector Type, Synthetic Enamel, for 5″ I.D. Pipe (For Details see Pl. H25)	3380–4A
4D	Railroad Crossing Sign, Reflector Type, Synthetic Enamel, White Letters on Black Background, for 4″ I.D. Pipe (for Details see Pl. H25)	3380–204
4E	Railroad Crossing Sign, Reflector Type, Synthetic Enamel, White Letters on Black Background, for 5″ I.D. Pipe (for Details see Pl. H25)	3380–204A
4F	Railroad Crossing Sign, Reflector Type, Vitreous Enamel, with Plain Embossed Letters on Back, for 4″ I.D. Pipe	3380–3E

Detail Parts for Model 10 Highway Crossing Signal

FLASHING LIGHT AND AUTOMATIC GATE ASSEMBLIES (Continued)

ORDERING REFERENCE

Specify Plate Number G190, Reference Number, Description and Piece Number.

Ref. No.	Description	Piece No.
4G	Railroad Crossing Sign, Reflector Type, Vitreous Enamel, with Plain Embossed Letters on Back, for 5″ I.D. Pipe	3380–3AE
4H	Railroad Crossing Sign, Cast Iron Type, for 4″ I.D. Pipe (for Details see Pl. H10)	3320–14
4J	Railroad Crossing Sign, Cast Iron Type, for 5″ I.D. Pipe (For Details see Pl. H10)	3320–115
4K	Railway Crossing Sign, Cast Iron Type, for 4″ I.D. Pipe	3250–14
4L	Railway Crossing Sign, Cast Iron Type, for 5″ I.D. Pipe	3250–115
5	Extension Bracket (For Details see Pl. G222)	3366–40
6	Roadway Arm Complete, Wired for Three Gate Lights, Less Gate Lights (For Details see Pl. G200)	3565–34L
6A	Roadway Arm Complete, Less Wiring, Gate Lights and Reflector Buttons (For Details see Pl. G200)	3565–60
7	"Number of Tracks" Sign, Reflector Type, Vitreous Enamel, for 4″ I.D. Pipe, Specify Numeral (For Details see Pl. H30)	3368–3
7A	"Number of Tracks" Sign, Reflector Type, Vitreous Enamel, for 5″ I.D. Pipe, Specify Numeral (For Details see Pl. H30)	3368–3A
7B	"Number of Tracks" Sign, Reflector Type, Synthetic Enamel, for 4″ I.D. Pipe, Specify Numeral (For Details see Pl. H30)	3368–4
7C	"Number of Tracks" Sign, Reflector Type, Synthetic Enamel, for 5″ I.D. Pipe, Specify Numeral (For Details see Pl. H30)	3368–4A
7D	"Number of Tracks" Sign, Cast Iron Type, for 4″ I.D. Pipe, Specify Numeral (For Details see Pl. H16)	16442–14
7E	"Number of Tracks" Sign, Cast Iron Type, for 5″ I.D. Pipe, Specify Numeral (For Details see Pl. H16)	16442–15
8	Junction Box Cross Arm Assembly for Types 950–201 and HC-81 Lights (For Details see Pl. G220)	950–54
8A	Junction Box Cross Arm Assembly for Type XC Lights (For Details see Pl. G220)	950–54G
9	Flashing Light Unit with 30° Horizontal Spread, 15° Down Deflecting Roundel Unless Otherwise Specified. (For Details see Plate D370). Other Roundels Available are Listed Below	950–201
9A	Flashing Light Unit with 30° Horizontal Spread, 15° Down Deflecting Roundel Unless Otherwise Specified. (For Details see US&SCo. Cat. Plate K159). Other Roundels Available are Listed Below	HC–81
9B	Flashing Light Unit with 30° Spreadlite Roundel Unless Otherwise Specified. (For Details see GRSCo. Cat. Plate H2916 and H2918). Other Roundels Available are Listed Below	XC

WESTERN RAILROAD SUPPLY COMPANY

Detail Parts for Model 10 Highway Crossing Signal

FLASHING LIGHT AND AUTOMATIC GATE ASSEMBLIES (Continued)

ORDERING REFERENCE
Specify Plate Number G190, Reference Number, Description and Piece Number.

Ref. No.	Description	Piece No.
10	"Stop On Red Signal" Sign, Vitreous Enamel, for 4" I.D. Pipe (For Details see Pl. H30)	3366-3
10A	"Stop On Red Signal" Sign, Vitreous Enamel, for 5" I.D. Pipe (For Details see Pl. H30)	3366-3A
10B	"Stop On Red Signal" Sign, Synthetic Enamel, for 4" I.D. Pipe (For Details see Pl. H30)	3366-4
10C	"Stop On Red Signal" Sign, Synthetic Enamel, for 5" I.D. Pipe (For Details see Pl. H30)	3366-4A
11	Extension Bracket (For Details see Pl. G222)	3366-140
12	Gate Arm Support (For Details see Pl. G210)	3565-105
13	Gate Support Arm (For Details see Pl. G214)	3565-101
14	Gate and Counterweight Arm Assembly (For Details see Pl. G212)	3565-103R
14A	Gate and Counterweight Arm Assembly (For Details see Pl. G212)	3565-103RX
15	Gate and Counterweight Arm Assembly (For Details see Pl. G212)	3565-102L
16	Pipe Mast, 5" I.D. x 13'0" Long	715-24
17	Junction Box Clamp Type Base (For Details see Pl. G224)	2149-11
17A	Junction Box Clamp Type Base (For Details see Pl. G224)	2149-11B
18	Anchor Bolts, 1" x 36" Long	11079
19	Sidewalk Arm Complete (Less Wiring) (For Details see Pl. G202)	3565-60SW
19A	Sidewalk Arm Complete, Wired for One Gate Light (For Details see Pl. G202)	3565-34SW
20	Junction Box Cross Arm Assembly for Types 950-201 and HC-81 Lights (For Details see Pl. G220)	950-74R
20A	Junction Box Cross Arm Assembly for Type XC Lights (For Details see Pl. G220)	950-74RG
21	Sidewalk Arm Bracket (For Details see Pl. G214)	3565-111
22	Pipe Mast, 5" I.D. x 6'0" Long	715-16
23	Junction Box Cross Arm Assembly for Types 950-201 and HC-81 Lights (For Details see Pl. G220)	950-5XX
23A	Junction Box Cross Arm Assembly for Type XC Lights (For Details see Pl. G220)	950-5XXG
24	Junction Box Cross Arm Assembly for Types 950-201 and HC-81 Lights (For Details see Pl. G220)	950-5
24A	Junction Box Cross Arm Assembly for Type XC Lights (For Details see Pl. G220)	950-5G

WESTERN RAILROAD SUPPLY COMPANY

Detail Parts for Model 10 Highway Crossing Signal

FLASHING LIGHT AND AUTOMATIC GATE ASSEMBLIES (Continued)

ORDERING REFERENCE
Specify Plate Number G190, Reference Number, Description and Piece Number.

Ref. No.	Description	Piece No.
25	Sidewalk Arm Complete (Less Wiring) (For Details see Pl. G204).	3565–160SW
25A	Sidewalk Arm Complete, Wired for One Gate Light (For Details see Pl. G204)	3565–134SW
26	Sidewalk and Counterweight Support Arm (For Details see Pl. G216)	3561–99
27	Pipe Mast, 5″ I.D. x 4′6″ Long	715–42
28	Stop Bracket Assembly (For Details see Pl. G218)	3561–114
29	Gate Arm Support (For Details see Pl. G210)	3565–105X
30	Pipe Mast, 4″ I.D. x 7′10″ Long	714–3
31	Pipe Mast, 5″ I.D. x 8′6″ Long	715–6
32	Pipe Mast, 5″ I.D. x 8′6″ Long	715–46
33	Upper Supporting Bracket Assembly (For Details see Pl. G226).	3565–65
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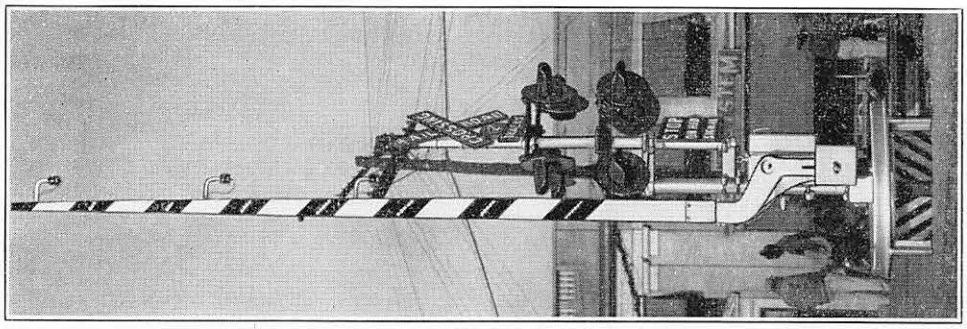
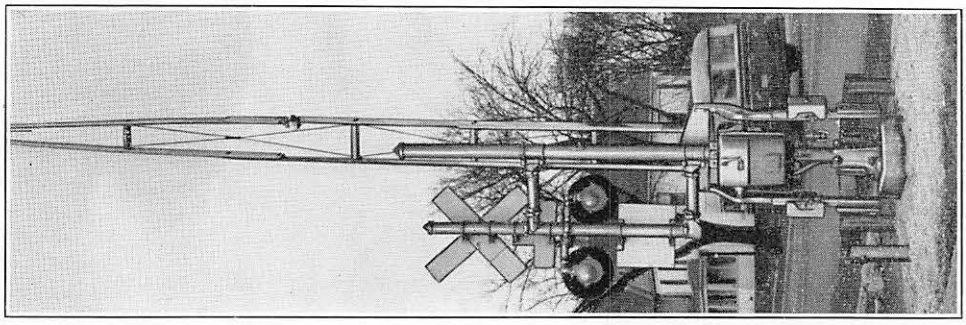
35	Upper Supporting Bracket Assembly (For Details see Pl. G228).	3565–165–22
36	Lower Supporting Bracket Assembly (For Details see Pl. G228).	3565–167–22
37	Gate Arm Support (For Details see Pl. G210)	3565–205
38	Sidewalk Arm Complete, Wired for One Gate Light (For Details see Pl. G206)	3565–34SWX
39	Sidewalk Arm Complete (Less Wiring) (For Details see Pl. G206)	3565–60SWX
40	Junction Box Cross Arm Assembly for Types 950–201 and HC-81 Lights (For Details see Pl. G220)	950–84
40A	Junction Box Cross Arm Assembly for Type XC Lights (For Details see Pl. G220)	950–84G

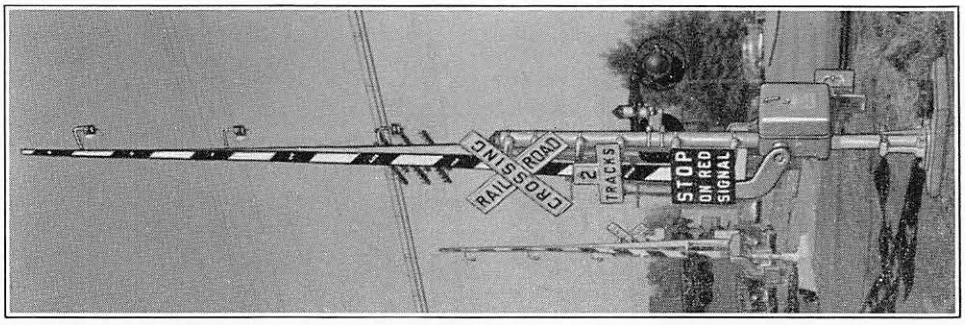
Note: Roundels Available for Flashing Light Units are:

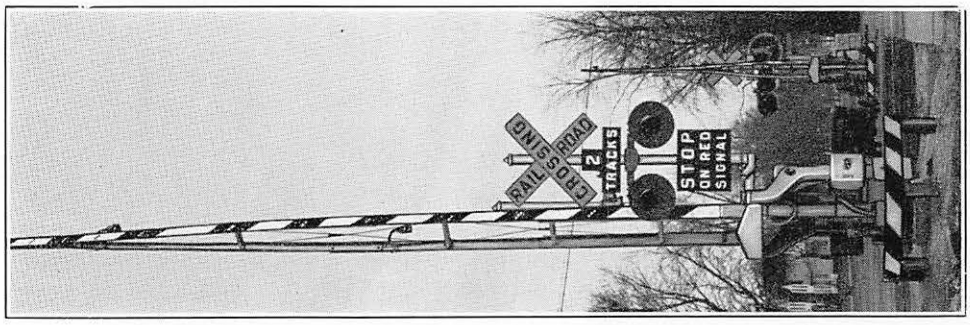
CL-17, 30° Horizontal Spread.
5319, 160° Horizontal Spread, 12° Down Deflection.
5321, 20° Deflecting.
5323, 30° Horizontal Spread, 15° Down Deflection.
5327, 20° Horizontal Spread, 32° Down Deflection.
5332, 70° Horizontal Spread.
5333, Diffusion-deflection Type, With Horizontal and Downward Spread.

Some Typical Assemblies With Flashing Lights Arranged To Meet Special Conditions

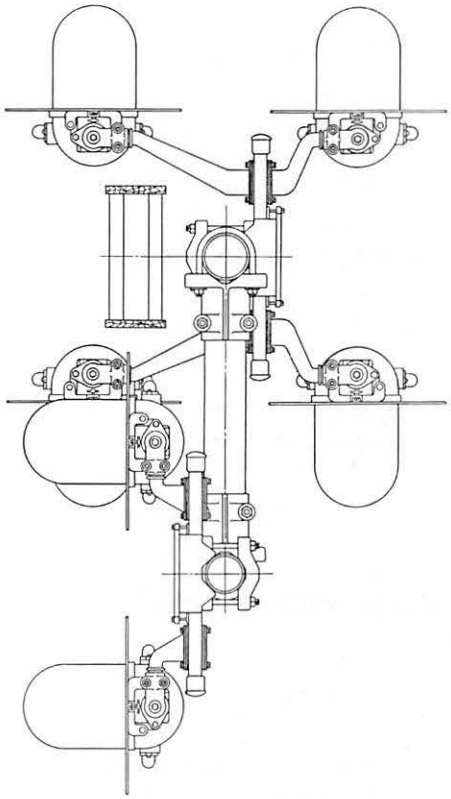


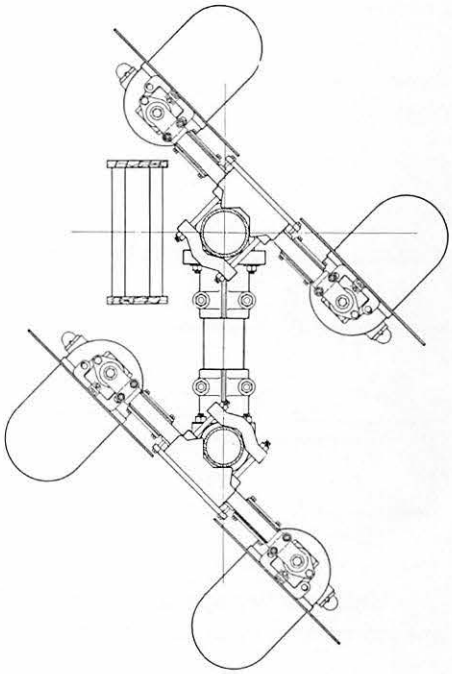


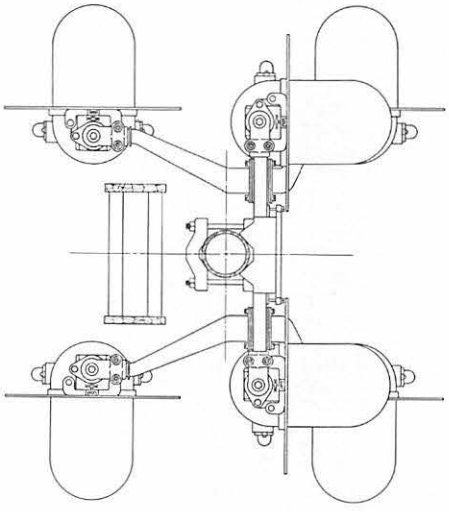


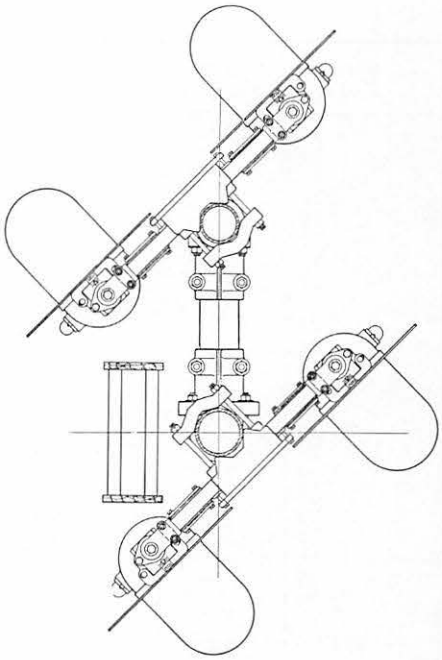


Typical Special Flashing Light Arrangements

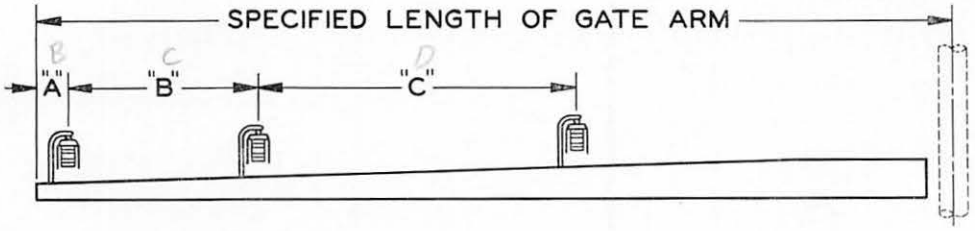








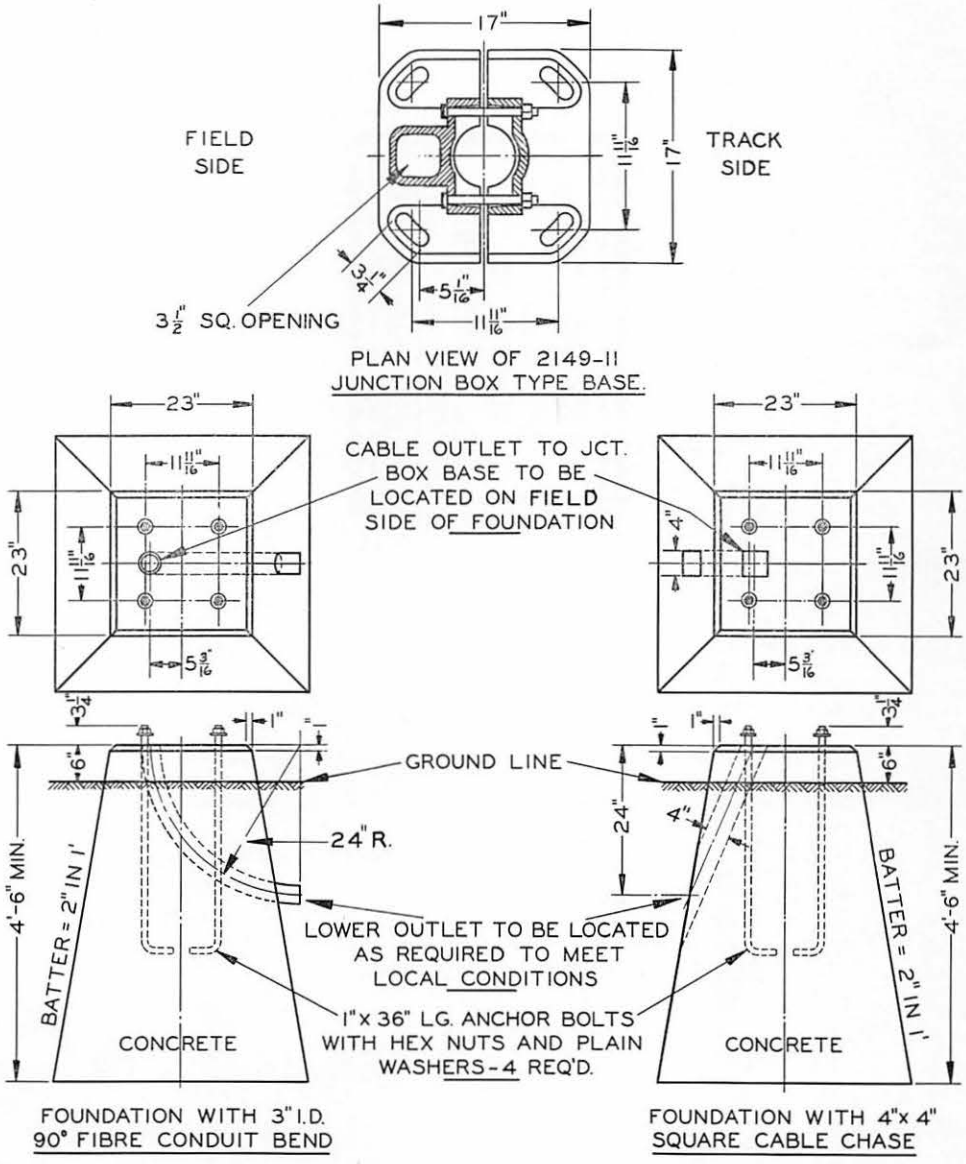
Suggested Roadway Gate Arm Light Spacing



Unless other spacing is specified, gate arms will be furnished with lights spaced as shown in the following table:

Specified Length of Gate Arm	Dimension "A"	Dimension "B"	Dimension "C"
14 Ft.	6″	36″	5′–0″
15 Ft.	18″	36″	5′–0″
16 Ft.	24″	36″	5′–0″
17 Ft.	24″	36″	5′–0″
18 Ft.	28″	41″	5′–0″
19 Ft.	28″	41″	5′–0″
20 Ft.	28″	4′–0″	5′–0″
21 Ft.	28″	4′–0″	5′–0″
22 Ft.	28″	4′–0″	5′–0″
23 Ft.	28″	4′–0″	5′–0″
24 Ft.	28″	5′–0″	5′–0″
25 Ft.	28″	5′–0″	5′–0″
26 Ft.	28″	5′–0″	5′–0″
27 Ft.	28″	5′–0″	5′–0″
28 Ft.	28″	5′–0″	5′–0″
29 Ft.	36″	6′–0″	6′–0″
30 Ft.	36″	6′–0″	6′–0″
31 Ft.	36″	6′–0″	6′–0″
32 Ft.	36″	7′–6″	7′–6″
33 Ft.	36″	7′–6″	7′–6″
34 Ft.	36″	7′–6″	7′–6″
35 Ft.	36″	9′–0″	9′–0″
36 Ft.	36″	9′–0″	9′–0″
37 Ft.	36″	9′–0″	9′–0″
38 Ft. and Over	36″	10′–0″	10′–0″

Suggested Foundation Designs For Model 10 Signals Using No. 2149-11 Junction Box Type Base



Catalog Section G, Part No. 1
Issue of 1950

3M—1950

Section
G
PART No. 2

Model 10
Highway Crossing Signal
Replacement Parts

WESTERN RAILROAD SUPPLY COMPANY
MANUFACTURERS

General Offices and Factory
2428 South Ashland Avenue
CHICAGO 8, ILLINOIS

•

District Offices in
New York 7 Cleveland 15 Houston 2 Denver 2

Printed in U. S. A.

Issue of 1951

SECTION G, PART NO. 2

Model 10 Highway Crossing Signal

Replacement Parts

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GENERAL INFORMATION

This catalog section contains descriptive data and ordering references for Model 10 Highway Crossing Signal parts that are not detailed in Catalog Section G, Part No. 1.

Plates No. G200 to No. G238 inclusive, pertain to Model 10 Highway Crossing Signals of current production, equipped with Type 3564 or Type 3566 mechanisms.

Plates No. G240 to No. G252 inclusive, cover replacement parts for an earlier type Model 10 Highway Crossing Signal equipped with Type 3562 or Type 3563 mechanisms.

Plates No. G254 to No. G260 inclusive, cover replacement parts for the original type of Model 10 Highway Crossing Signal equipped with Type 3561 mechanism.

Plates No. G200 to No. G238

Replacement Parts for

Model 10
Highway Crossing Signal

Equipped with Type 3564 or Type 3566 Mechanism

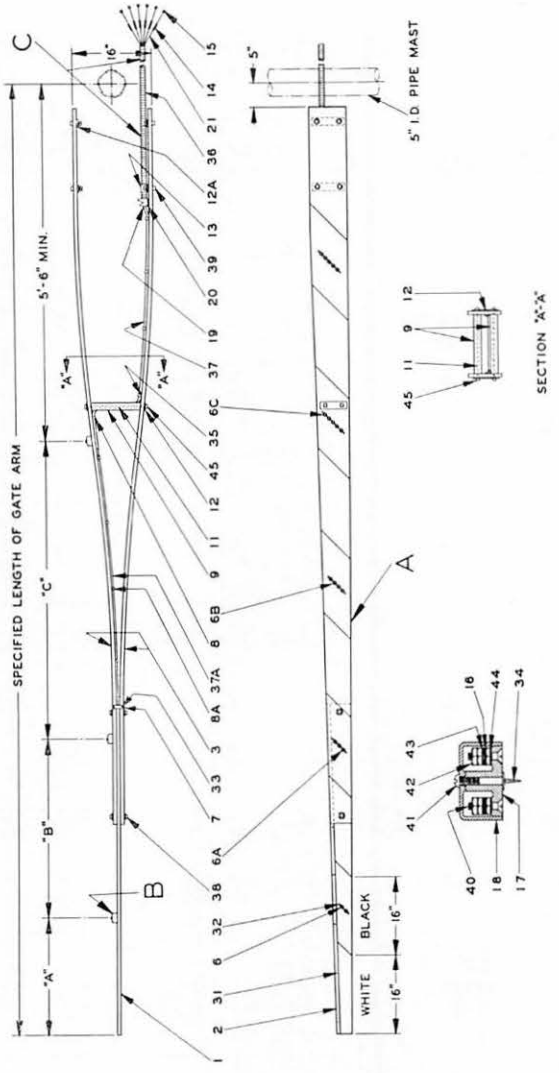
See Section G, Part No. 4 For Type 3564 Mechanism Replacement Parts

See Section G, Part No. 6 For Type 3566 Mechanism Replacement Parts

Roadway Arms 14' to 18' Long For Model 10 Signals

ASSEMBLIES AND REPLACEMENT PARTS

For Signal Assemblies Shown On
Plates G150, G155, G160, G165, G170 and G175



For Ordering Reference Data, See Pages 14 to 17.

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ASSEMBLIES AND REPLACEMENT PARTS

For Signal Assemblies Shown On
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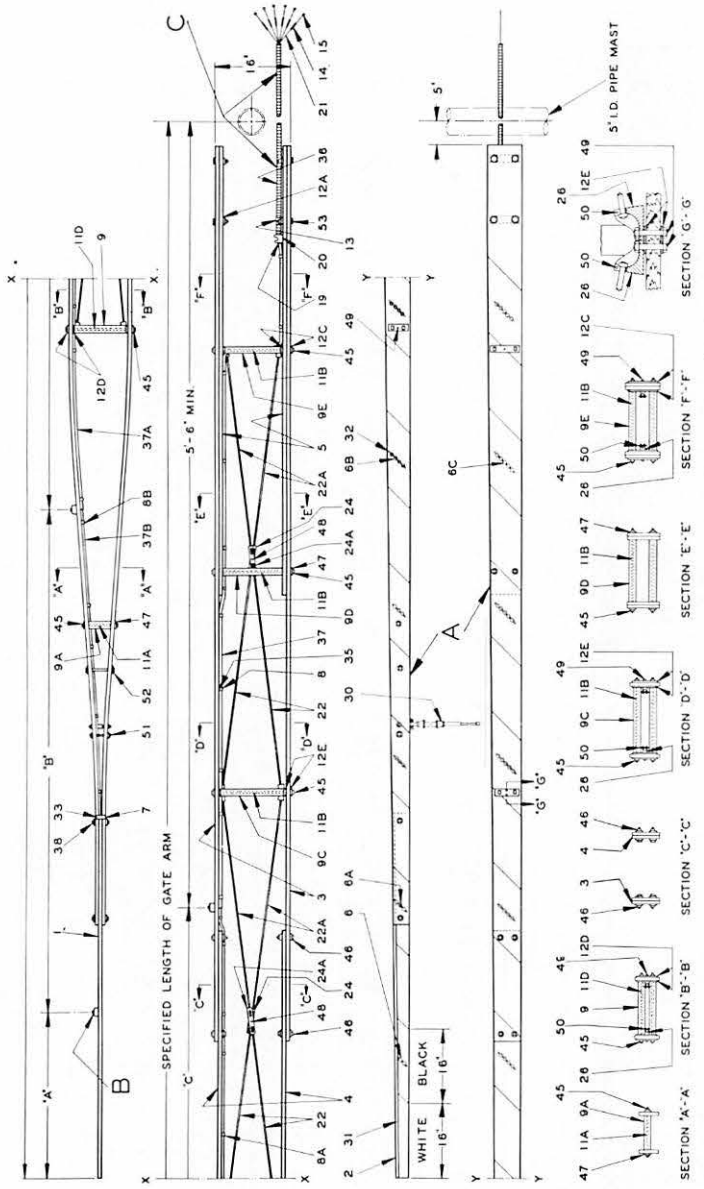
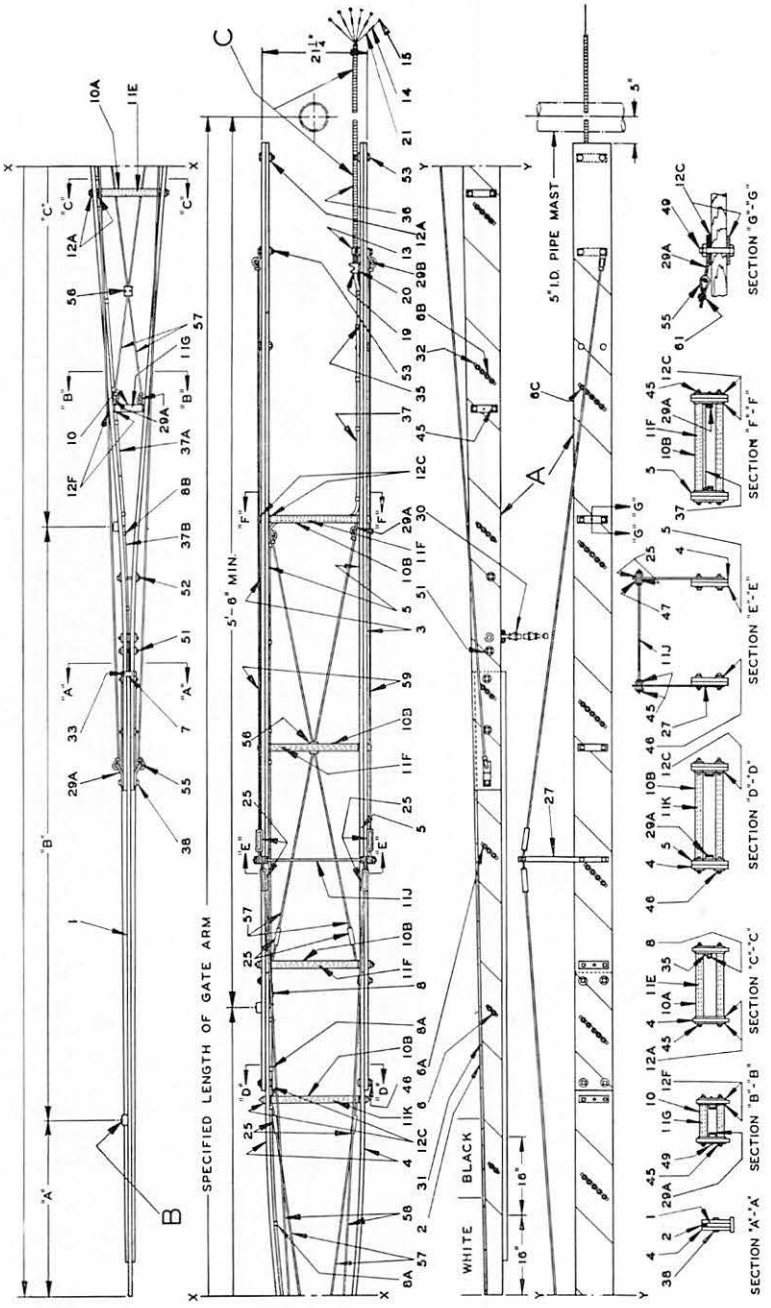


For Ordering Reference Data, See Pages 14 to 17.

Roadway Arms 39' to 44' Long For Model 10 Signals

ASSEMBLIES AND REPLACEMENT PARTS

For Signal Assemblies Shown On
Plates G153, G158, G163 and G168



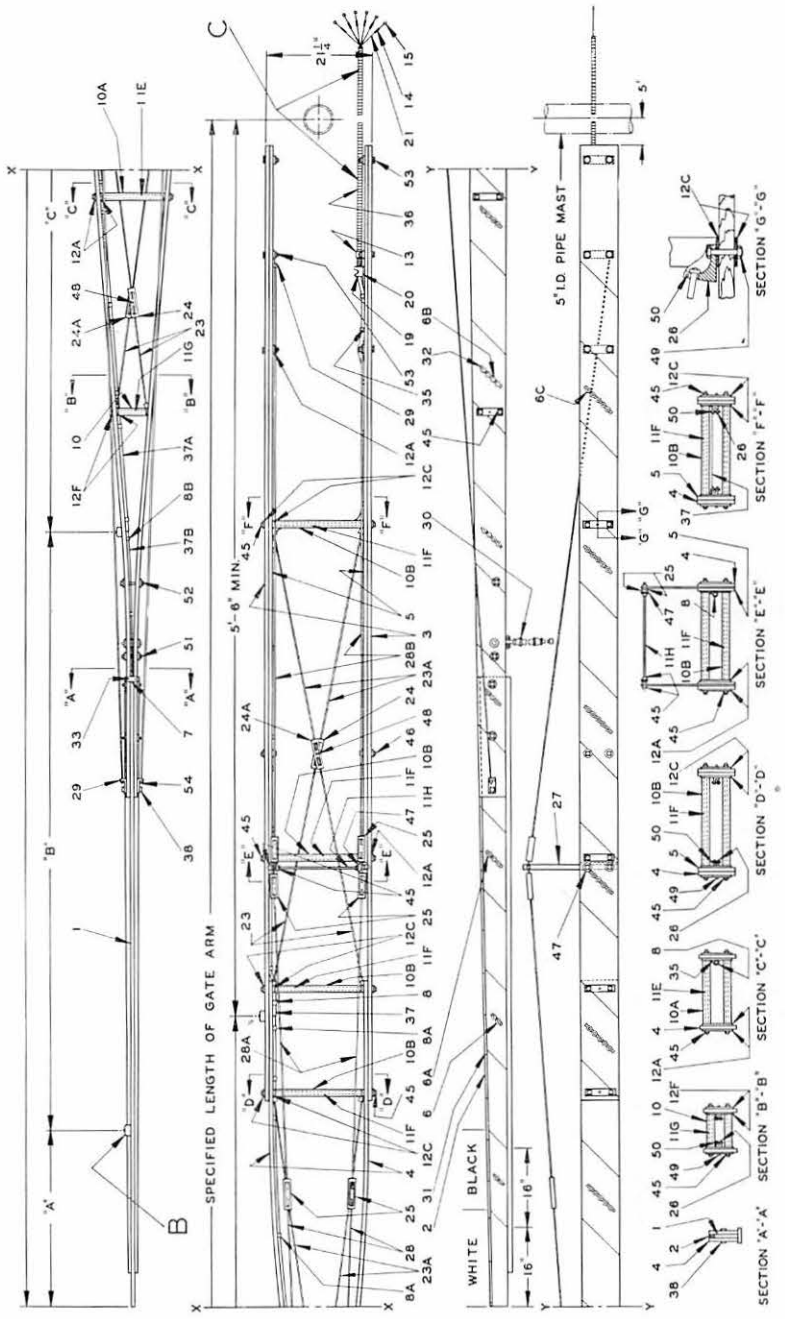
For Ordering Reference Data, See Pages 14 to 17.

WESTERN RAILROAD SUPPLY COMPANY

Roadway Arms 39' to 44' Long

REPLACEMENT PARTS ONLY

This Design Discontinued 4-16-51
Superseded by Design Illustrated on Page 12



For Ordering Reference Data, See Pages 14 to 17.

Roadway Arms
For Model 10 Signals

ASSEMBLIES AND REPLACEMENT PARTS

ORDERING REFERENCE

Specify Plate No. G200, Reference Number, Description and Piece Number

Ref. No.	Description	Piece No.
A	Assembly of Roadway Arm Complete with Wiring and Reflector Buttons. (Less Gate Lights) (Specify Length of Roadway Arm and Dimensions "A", "B", "C")	3565-34L
A1	Assembly of Roadway Arm Complete, Less Wiring, Reflector Buttons and Reinforcing Channel. (Specify Length of Roadway Arm)	3565-60
B	Assembly of Terminal Block Complete	3561-196
C	Wiring Harness Only (Includes all Material Necessary for Wiring Roadway Arm for Three Gate Lights) (Specify Length of Roadway Arm and Dimensions "A", "B", "C")	3565-215
1	Tongue (See Table, Page 17)	
2	Re-enforcing Channel (See Table, Page 17)	
3	Base Board (See Table, Page 17)	
4	Side Board (See Table, Page 17)	
5	Re-enforcing Board (See Table, Page 17)	
6	Crystal Reflector Buttons (2 Button Chain)	3562-170-2
6A	Crystal Reflector Buttons (3 Button Chain)	3562-170-3
6B	Crystal Reflector Buttons (4 Button Chain)	3562-170-4
6C	Crystal Reflector Buttons (5 Button Chain)	3562-170-5
7	Channel Retaining Strip	3561-154
8	Clip for ½" Loom	3562-96
8A	Clip for ⅜" Loom	3562-95
8B	Clip for 7/32" Loom	3562-94
9	Spacer Block 10⅛" Long	3562-75
9A	Spacer Block 4" Long	3562-76
9B	Spacer Block 14⅜" Long	3562-74
9C	Spacer Block 14⅛" Long	3562-87
9D	Spacer Block 13" Long	3562-74XR
9E	Spacer Block 12¾" Long	3562-74R
10	Spacer Tubing 7" Long	3562-99B
10A	Spacer Tubing 13¼" Long	3562-99A
10B	Spacer Tubing 17¾" Long	3562-99
11	Through Stud 12½" Long	3562-66C
11A	Through Stud 6½" Long	3562-66D
11B	Through Stud 16⅞" Long	3562-66
11C	Through Stud 14⅜" Long	3562-66B
11D	Through Stud 12¾" Long	3562-66E
11E	Through Stud 16" Long	3562-66X
11F	Through Stud 21¾" Long	3562-66Y
11G	Through Stud 10⅛" Long	3562-66F
11H	Through Stud 21½" Long	3562-272
11J	Through Stud 24" Long	3562-272B

Roadway Arms
For Model 10 Signals

ASSEMBLIES AND REPLACEMENT PARTS
(Continued)

ORDERING REFERENCE

Specify Plate No. G200, Reference Number, Description and Piece Number

Ref. No.	Description	Piece No.
11K	Through Stud 20¼″ Long	3562-66N
12	Washer Plate	3562-72
12A	Washer Plate	3562-71
12B	Washer Plate	3562-72A
12C	Washer Plate	3562-71A
12D	Washer Plate	3562-82
12E	Washer Plate	3562-72B
12F	Washer Plate	3562-273
13	Hanger for Flexible Conduit	3565-153
14	Marking Tag	5600-6
15	Wire Terminal	31906
16	Wire Terminal	31903
17	Terminal Block Only (For Ref. B)	3561-197A
18	Terminal Block Cover Only (For Ref. B)	3561-198
19	Internal Bushing	3565-197
20	Conduit Clamp	3565-194A
21	Wire No. 14, 2/64, 30% S.C. Flex. S.B., W.P. Finish, 19/.0147 (Specify Length)	90913
22	Tie Rod and Nut 41½″ Long—Right Hand Thread	3562-63E
22A	Tie Rod and Nut 48″ Long—Left Hand Thread	3562-63F
23	Tie Rod and Nut 46″ Long—Left Hand Thread	3562-63Q
23A	Tie Rod and Nut 46″ Long—Right Hand Thread	3562-63R
24	Turnbuckle	3562-67
24A	Turnbuckle	3562-68
25	Turnbuckle	3562-184
26	Tie Rod Clip	3562-70A
27	Upright Support	3562-271
28	Guy Rod	3562-276
28A	Guy Rod	3562-274
28B	Guy Rod	3562-275
29	Bracket	3562-270
29A	Guy Wire Clip	3562-283
29B	Guy Wire Clip	3562-283A
30	Buffer Leg Assembly	3562-316
31	Wood Screw No. 6 x ⅝″ Lg. Rd. Hd. Brass	
32	Wood Screw No. 6 x ½″ Lg. Theft Resisting	
33	Wood Screw No. 8 x ⅝″ Lg. Rd. Hd. Brass	
34	Wood Screw No. 6 x ¾″ Lg. Fl. Hd. Brass	
35	Wood Screw No. 12 x ¾″ Lg. Rd. Hd. Brass	
36	Penflex Metallic Tubing ¾″ x 54″ Lg.	
37	½″ Duroduct Loom (Specify Length)	
37A	⅜″ Duroduct Loom (Specify Length)	

Roadway Arms
For Model 10 Signals

ASSEMBLIES AND REPLACEMENT PARTS
(Continued)

ORDERING REFERENCE

Specify Plate No. G200, Reference Number, Description and Piece Number

Ref. No.	Description	Piece No.
37B	7/32" Duroduct Loom (Specify Length)	
38	Mach. Bolt 3/8"-16 x 3" Lg. Sq. Hd. Steel, Hex. Nut and Two Plain Washers	
39	Mach. Bolt 1/2"-13 x 2" Lg. Hex. Hd. Steel, Hex. Nut and Lock Washer	
40	Mach. Screw No. 10-32 x 7/8" Lg. Fl. Hd. Brass	
41	Mach. Screw No. 10-32 x 1/2" Lg. Rd. Hd. Brass	
42	Hex. Nut No. 10-32 Brass	
43	Washer No. 10 Plain, Brass	
44	Washer No. 10 Internal Everlock	
45	Hex. Nut 3/8"-16, Steel	
46	Mach. Bolt 3/8"-16 x 2 1/4" Lg. Sq. Hd. Steel, Hex. Nut and Two Plain Washers	
47	Washer 7/16" I. D. x 1 1/2" O.D. Plain, Steel	
48	Cap Screw 1/4"-20 x 1 1/4" Lg. Hex. Hd. Steel	
49	Mach. Bolt 5/16"-18 x 1 3/4" Lg. Hex. Hd. Steel and Hex. Nut	
50	Cotter Pin 1/8" x 1 1/2" Lg. Steel	
51	Mach. Bolt 3/8"-16 x 3 1/2" Lg. Sq. Hd. Steel, Hex. Nut and Two Plain Washers	
52	Mach. Bolt 3/8"-16 x 5 1/4" Lg. Sq. Hd. Steel, Hex. Nut and Two Plain Washers	
53	Mach. Bolt 1/2"-13 x 2 3/4" Lg. Hex. Hd. Steel, Hex. Nut and Lock Washer	
54	Sq. Nut 5/16"-18 Steel	
55	Thimble	90591
56	Cable Clamp Subassembly	3562-282
57	Guy Wire Subassembly, 7'6" Lg. (Includes Items 25, 55 and 61)	3562-284B
58	Guy Wire Subassembly, 18'0" Lg. (Includes Items 25, 55 and 61)	3562-284A
59	Guy Wire Subassembly, 10'0" Lg. (Includes Items 25, 55 and 61)	3562-284
60	Crosby Clip	90592

NOTE: WHEN ORDERING BASE BOARDS, REF. 3, OR SIDE BOARDS, REF. 4, SPECIFY WHETHER FOR USE ON "FIELD" SIDE OR "TRACK" SIDE OF GATE ARM, AND LENGTH OF GATE ARM ON WHICH BOARD IS TO BE USED.

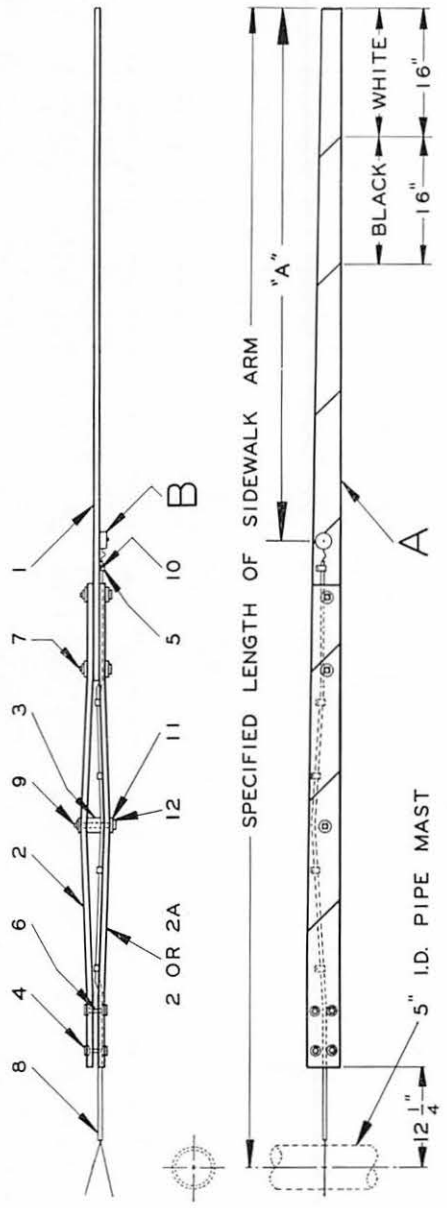
Ordering Reference Table

	Specified Length of Gate Arm	Ref. 1 Tongue	Ref. 2 Reenforcing Channel	Ref. 3 Base Board	Ref. 4 Side Board	Ref. 5 Reenforcing Board
For Roadway Arms Illustrated On Page 8	14 Ft.	3562-52E	3561-64B	3562-51-12	.....	.....
	15 Ft.	3562-52F	3561-64B	3562-51-12	.....	.....
	16 Ft.	3562-52	3561-64B	3562-51-12	.....	.....
	17 Ft.	3562-52A	3561-64	3562-51-12	.....	.....
	18 Ft.	3562-52B	3561-64	3562-51-12	.....	.....
For Roadway Arms Illustrated On Page 9	19 Ft.	3562-52A	3561-64	3562-51-14	.....	.....
	20 Ft.	3562-52B	3561-64	3562-51-14	.....	.....
	21 Ft.	3562-52C	3561-64C	3562-51-14	.....	.....
	22 Ft.	3562-52B	3561-64	3562-51-16	.....	.....
	23 Ft.	3562-52C	3561-64C	3562-51-16	.....	.....
	24 Ft.	3562-52D	3561-63	3562-51-16	.....	.....
For Roadway Arms Illustrated On Page 10	25 Ft.	3562-52A	3561-64	3562-53-12	3562-54-10	.....
	26 Ft.	3562-52B	3561-64	3562-53-12	3562-54-10	.....
	27 Ft.	3562-52C	3561-64C	3562-53-12	3562-54-10	.....
	28 Ft.	3562-52D	3561-63	3562-53-12	3562-54-10	.....
	29 Ft.	3562-52C	3561-64C	3562-53-12A	3562-54-12	.....
	30 Ft.	3562-52D	3561-63	3562-53-12A	3562-54-12	.....
For Roadway Arms Illustrated On Page 11	31 Ft.	3562-52A	3561-64	3562-53-16	3562-54-12A	3562-53-8
	32 Ft.	3562-52B	3561-64	3562-53-16	3562-54-12A	3562-53-8
	33 Ft.	3562-52C	3561-64C	3562-53-16	3562-54-12A	3562-53-8
	34 Ft.	3562-52D	3561-63	3562-53-16	3562-54-12A	3562-53-8
	35 Ft.	3562-52A	3561-64	3562-53-16A	3562-54-16	3562-53-8
	36 Ft.	3562-52B	3561-64	3562-53-16A	3562-54-16	3562-53-8
	37 Ft.	3562-52C	3561-64C	3562-53-16A	3562-54-16	3562-53-8
	38 Ft.	3562-52D	3561-63	3562-53-16A	3562-54-16	3562-53-8
For Roadway Arms Illustrated On Page 12	39 Ft.	3562-52J	3561-64A	3562-53-16F	3562-54-16A	3562-54-14E
	40 Ft.	3562-52K	3561-64A	3562-53-16F	3562-54-16A	3562-54-14E
	41 Ft.	3562-52L	3561-64D	3562-53-16F	3562-54-16A	3562-54-14E
	42 Ft.	3562-52M	3561-64D	3562-53-16F	3562-54-16A	3562-54-14E
	43 Ft.	3562-52N	3561-64E	3562-53-16F	3562-54-16A	3562-54-14E
	44 Ft.	3562-52P	3561-64E	3562-53-16F	3562-54-16A	3562-54-14E
For Roadway Arms Illustrated On Page 13	39 Ft.	3562-52J	3561-64A	3562-53-16B	3562-54-16A	3562-54-12B
	40 Ft.	3562-52K	3561-64A	3562-53-16B	3562-54-16A	3562-54-12B
	41 Ft.	3562-52L	3561-64D	3562-53-16B	3562-54-16A	3562-54-12B
	42 Ft.	3562-52M	3561-64D	3562-53-16B	3562-54-16A	3562-54-12B
	43 Ft.	3562-52N	3561-64E	3562-53-16B	3562-54-16A	3562-54-12B
	44 Ft.	3562-52P	3561-64E	3562-53-16B	3562-54-16A	3562-54-12B

WESTERN RAILROAD SUPPLY COMPANY

Sidewalk Arms 6' to 18' Long
For Model 10 Signals
Type 3565-34SW Type 3565-60SW

ASSEMBLIES AND REPLACEMENT PARTS
For Signal Assemblies Shown On
Plates G155 to G158, G165 to G168 and G175 to G177



WESTERN RAILROAD SUPPLY COMPANY

Sidewalk Arms 6' to 18' Long For Model 10 Signals

Type 3565-34SW Type 3565-60SW

ASSEMBLIES AND REPLACEMENT PARTS

For Signal Assemblies Shown on
Plates G155 to G158, G165 to G168 and G175 to G177

ORDERING REFERENCE

Specify Plate G202, Reference Number, Description and Piece Number

Ref. No.	Description	Piece No.
A	Assembly of Sidewalk Arm Complete with Wiring (Less Light) (Specify Length of Sidewalk Arm and Dimension "A")	3565-34SW
A-1	Assembly of Sidewalk Arm Complete (Less Wiring and Light) (Specify Length of Sidewalk Arm)	3565-60SW
B	Assembly of Terminal Block (See Plate G200 for Details)	3561-196
1	Tongue (See Table)	
2	Base Board (See Table)	
2A	Base Board (See Table) (For 3565-34SW only)	
3	Spacer Block	3565-150
4	Cup Washer	3565-71
5	Clip	3562-95
6	Cap Screw, 5/16"-24 S.A.E. x 1½" Lg. Hex. Hd. Steel	
7	Mach. Bolt ⅜"-16 x 3¼" Lg. Sq. Hd. Steel Hex. Nut and Two Plain Washers	
8	#18-2 Conductor Neoprene Covered Type "S" Cord. (Specify Length)	
9	Through Stud	3562-66DD
10	Wood Screw #10 x ¾" Lg. Rd. Hd. Brass	
11	Washer ⅜" Plain, Steel	
12	Hex. Nut ⅜"-16 Steel	

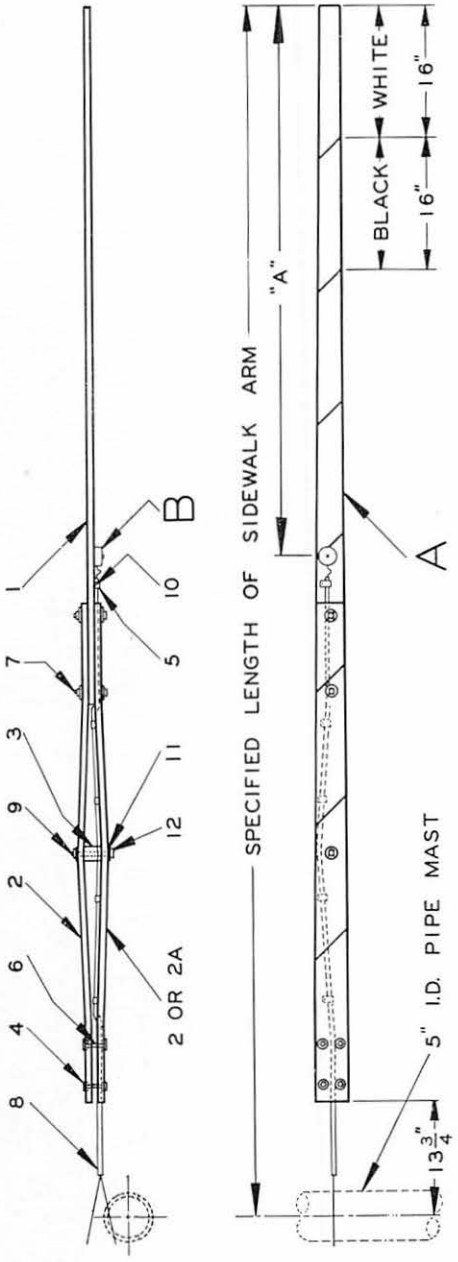
Table

Specified Length of Gate Arm	Ref. No. 1	Ref. No. 2	Ref. No. 2A	Suggested Values For Dimension "A"
6'-0"	3565-142-1	3565-141	3565-141A	2'-2"
6'-6"	3565-142-1A	3565-141	3565-141A	2'-5"
7'-0"	3565-142-2	3565-141	3565-141A	2'-8"
7'-6"	3565-142-2A	3565-141	3565-141A	2'-11"
8'-0"	3565-142-3	3565-141	3565-141A	3'-2"
8'-6"	3565-142-3A	3565-141	3565-141A	3'-5"
9'-0"	3565-142-4	3565-141	3565-141A	3'-8"
9'-6"	3565-142-4A	3565-141	3565-141A	3'-11"
10'-0"	3565-142-5	3565-141	3565-141A	4'-2"
10'-6"	3565-142-5A	3565-141	3565-141A	4'-5"
11'-0"	3565-142-6	3565-141	3565-141A	4'-8"
11'-6"	3565-142-6A	3565-141	3565-141A	4'-11"
12'-0"	3565-142-7	3565-141	3565-141A	5'-2"
12'-6"	3565-142-4A	3565-155	3565-155A	5'-5"
13'-0"	3565-142-5	3565-155	3565-155A	5'-8"
13'-6"	3565-142-5A	3565-155	3565-155A	5'-11"
14'-0"	3565-142-6	3565-155	3565-155A	6'-2"
14'-6"	3565-142-6A	3565-155	3565-155A	6'-5"
15'-0"	3565-142-7	3565-155	3565-155A	6'-8"
15'-6"	3565-142-4A	3565-156	3565-156A	6'-11"
16'-0"	3565-142-5	3565-156	3565-156A	7'-2"
16'-6"	3565-142-5A	3565-156	3565-156A	7'-5"
17'-0"	3565-142-6	3565-156	3565-156A	7'-8"
17'-6"	3565-142-6A	3565-156	3565-156A	7'-11"
18'-0"	3565-142-7	3565-156	3565-156A	8'-2"

WESTERN RAILROAD SUPPLY COMPANY

Sidewalk Arms 6' to 18' Long
For Model 10 Signals
Type 3565-134SW Type 3565-160SW

ASSEMBLIES AND REPLACEMENT PARTS
For Signal Assemblies Shown on Plate G185



WESTERN RAILROAD SUPPLY COMPANY

Sidewalk Arms 6' to 18' Long
For Model 10 Signals
Type 3565-134SW Type 3565-160SW

ASSEMBLIES AND REPLACEMENT PARTS
For Signal Assemblies Shown on Plate G185

ORDERING REFERENCE
Specify Plate G204, Reference Number, Description and Piece Number

Ref. No.	Description	Piece No.
A	Assembly of Sidewalk Arm Complete with Wiring (Less Light) (Specify Length of Sidewalk Arm and Dimension "A")	3565-134SW
A-1	Assembly of Sidewalk Arm Complete (Less Wiring and Light) (Specify Length of Sidewalk Arm)	3565-160SW
B	Assembly of Terminal Block (See Plate G-200 for Details)	3561-196
1	Tongue (See Table)	
2	Base Board (See Table)	
2A	Base Board (See Table) (For 3565-134SW Only)	
3	Spacer Block	3565-150
4	Cup Washer	3565-71
5	Clip	3562-95
6	Cap Screw, 5/16"-24 S.A.E. x 1¾" Lg. Hex. Hd. Steel	
7	Mach. Bolt ⅜"-16 x 3¼" Lg. Sq. Hd. Steel, Hex. Nut and Two Plain Washers	
8	#18-2 Conductor Neoprene Covered Type "S" Cord (Specify Length)	
9	Through Stud	3562-66DD
10	Wood Screw #10 x ¾" Lg. Brass	
11	Washer ⅜" Plain, Steel	
12	Hex. Nut ⅜"-16 Steel	

Table

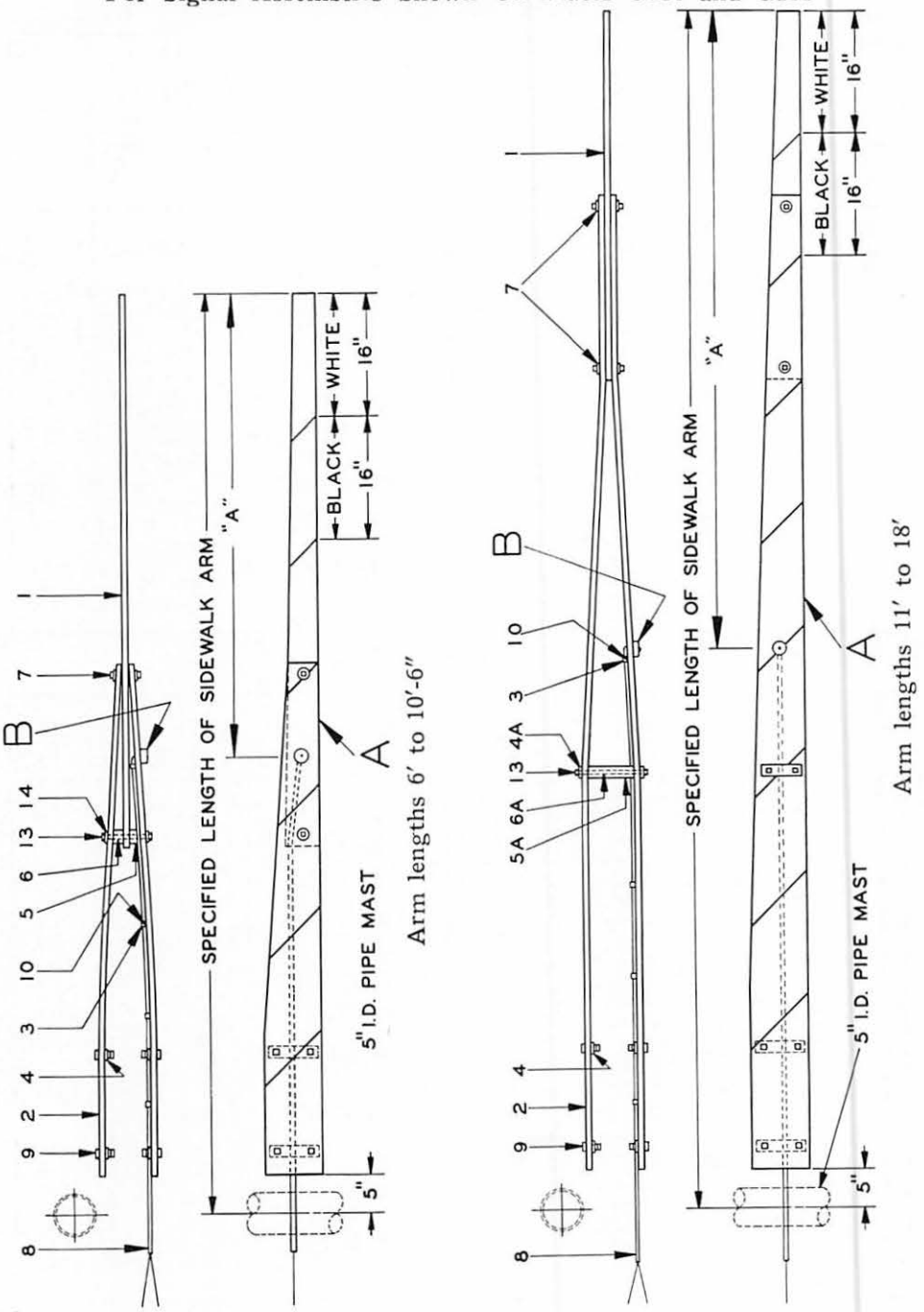
Specified Length of Gate Arm	Ref. No. 1	Ref. No. 2	Ref. No. 2A	Suggested Values For Dimension "A"
6'-0"	3565-142-1	3565-141	3565-141A	2'-2"
6'-6"	3565-142-1A	3565-141	3565-141A	2'-5"
7'-0"	3565-142-2	3565-141	3565-141A	2'-8"
7'-6"	3565-142-2A	3565-141	3565-141A	2'-11"
8'-0"	3565-142-3	3565-141	3565-141A	3'-2"
8'-6"	3565-142-3A	3565-141	3565-141A	3'-5"
9'-0"	3565-142-4	3565-141	3565-141A	3'-8"
9'-6"	3565-142-4A	3565-141	3565-141A	3'-11"
10'-0"	3565-142-5	3565-141	3565-141A	4'-2"
10 -6"	3565-142-5A	3565-141	3565-141A	4'-5"
11 -0"	3565-142-6	3565-141	3565-141A	4'-8"
11 -6"	3565-142-6A	3565-141	3565-141A	4'-11"
12 -0"	3565-142-7	3565-141	3565-141A	5'-2"
12'-6"	3565-142-4A	3565-155	3565-155A	5'-5"
13'-0"	3565-142-5	3565-155	3565-155A	5'-8"
13'-6"	3565-142-5A	3565-155	3565-155A	5'-11"
14'-0"	3565-142-6	3565-155	3565-155A	6'-2"
14'-6"	3565-142-6A	3565-155	3565-155A	6'-5"
15'-0"	3565-142-7	3565-155	3565-155A	6'-8"
15'-6"	3565-142-4A	3565-156	3565-156A	6'-11"
16'-0"	3565-142-5	3565-156	3565-156A	7'-2"
16'-6"	3565-142-5A	3565-156	3565-156A	7'-5"
17'-0"	3565-142-6	3565-156	3565-156A	7'-8"
17'-6"	3565-142-6A	3565-156	3565-156A	7'-11"
18'-0"	3565-142-7	3565-156	3565-156A	8'-2"

WESTERN RAILROAD SUPPLY COMPANY

Sidewalk Arms 6' to 18' Long
For Model 10 Signals
Type 3565-34SWX Type 3565-60SWX

ASSEMBLIES AND REPLACEMENT PARTS

For Signal Assemblies Shown On Plates G180 and G181



Sidewalk Arms 6' to 18' Long For Model 10 Signals

Type 3565-34SWX Type 3565-60SWX

ASSEMBLIES AND REPLACEMENT PARTS

For Signal Assemblies Shown on Plates G180 and G181

ORDERING REFERENCE

Specify Plate G206, Reference Number, Description and Piece Number

Ref. No.	Description	Piece No.
A	Assembly of Sidewalk Arm Complete with Wiring (Less Light) (Specify Length of Sidewalk Arm and Dimension "A")	3565-34SWX
A-1	Assembly of Sidewalk Arm Complete (Less Wiring and Light) (Specify Length of Sidewalk Arm)	3565-60SWX
B	Assembly of Terminal Block Complete (See Pl. G200 for Details)	3561-196
1	Tongue (See Table)	
2	Base Board (See Table)	
3	Clip	3562-95
4	Washer Plate	3562-71
4A	Washer Plate	3562-72
5	Spacer Block	3562-98
5A	Spacer Block	3562-59
6	Through Stud	3562-66D
6A	Through Stud	3562-66H
7	Mach. Bolt, $\frac{3}{8}$"-16 x 3" Lg. Sq. Hd. Steel, Hex. Nut and Two Plain Washers	
8	#18-2 Conductor Neoprene Covered Type "S" Cord (Specify Length)	
9	Mach. Bolt, $\frac{1}{2}$"-13 x 2" Lg. Hex. Hd. Steel, Hex. Nut and Lock Washer	
10	Wood Screw #10 x $\frac{3}{4}$" Lg. Brass	

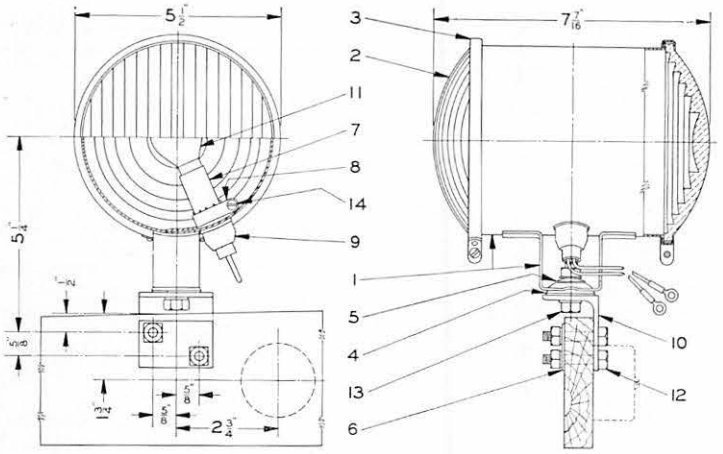
Table

Specified Length of Gate Arm	Ref. No. 1	Ref. No. 2	Suggested Values For Dimension "A"
6'-0"	3562-57-2	3562-56-6	2'-2"
6'-6"	3562-57-2A	3562-56-6	2'-5"
7'-0"	3562-57-3	3562-56-6	2'-8"
7'-6"	3562-57-3A	3562-56-6	2'-11"
8'-0"	3562-57-4	3562-56-6	3'-2"
8'-6"	3562-57-4A	3562-56-6	3'-5"
9'-0"	3562-57-5	3562-56-6	3'-8"
9'-6"	3562-57-5A	3562-56-6	3'-11"
10'-0"	3562-57-6	3562-56-6	4'-2"
10'-6"	3562-57-6A	3562-56-6	4'-5"
11'-0"	3562-57-2	3562-58	4'-8"
11'-6"	3562-57-2A	3562-58	4'-11"
12'-0"	3562-57-3	3562-58	5'-2"
12'-6"	3562-57-3A	3562-58	5'-5"
13'-0"	3562-57-4	3562-58	5'-8"
13'-6"	3562-57-4A	3562-58	5'-11"
14'-0"	3562-57-5	3562-58	6'-2"
14'-6"	3562-57-5A	3562-58	6'-5"
15'-0"	3562-57-6	3562-58	6'-8"
15'-6"	3562-57-6A	3562-58	6'-11"
16'-0"	3562-57-7	3562-58	7'-2"
16'-6"	3562-57-7A	3562-58	7'-5"
17'-0"	3562-57-8	3562-58	7'-8"
17'-6"	3562-57-8A	3562-58	7'-11"
18'-0"	3562-57-9	3562-58	8'-2"

WESTERN RAILROAD SUPPLY COMPANY

Gate Light—Type 1573-50
Two-Way Indication—5⅜" Diameter Lenses

ASSEMBLIES AND REPLACEMENT PARTS



A

Type 1573-50 Gate Light is available with 30° Spreadlite or Optical Type Lenses. Horizontal and Vertical Alignment is adjustable. Aluminum construction limits weight at 2¼ lbs. S.C.B.B. lamp receptacle provided; lamp bulb not furnished unless otherwise specified.

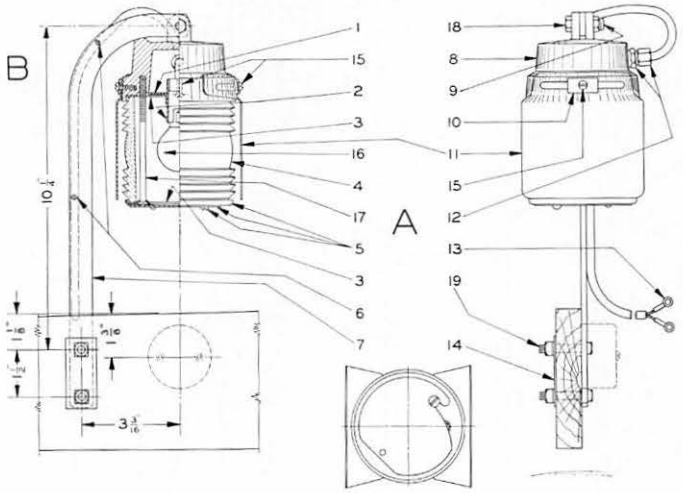
ORDERING REFERENCE

Specify Plate G208, Reference Number, Description and Piece Number

Ref. No.	Description	Piece No.
A	Assembly of Gate Light Complete, with 30° Spreadlite Lens (Red)	1573-50
A-1	Assembly of Gate Light Complete, with Standard Optical Lens (Red)	1573-50A
1	Gate Light Body Assembly	1573-6
2	30° Spreadlite Lens, 5⅜" Diameter, Red	5330
2A	Standard Optical Lens, 5⅜" Diameter, Red	5331
3	Lens Ring	0500-106S-B
4	Adjusting Washer	1563-15
5	Washer, Steel	1563-16
6	Washer Plate	1563-5
7	Receptacle Assembly	6001-5
8	Clamp	1573-3
9	Insulator Bushing	1563-8
10	Mounting Bracket	1563-2A
11	Lamp Bulb, Incandescent, S.C.B.B., Type S-11, C-2V Filament (Not Furnished Unless Otherwise Specified)	
12	Mach. Bolt, ¼" x 1½" Lg. Sq. Hd. Steel and Sq. Steel Nut	
13	Cap Screw, 5/16"-18 x 1¼" Lg. Hex. Hd. Steel	
74	Mach. Screw, #8-32 x ⅝" Lg. Rd. Hd. Brass and Hex. Nut (N.P.)	

Gate Light—Type 1585
Fresnel Lens

ASSEMBLIES AND REPLACEMENT PARTS



BOTTOM VIEW

Type 1585 Gate Light is equipped with a $3\frac{5}{8}$" diameter, red, 360° Fresnel Lens, shielded to provide indication to cross traffic only. A constant vertical axis is provided by the suspension mounting bracket. Wt. $2\frac{1}{2}$ lbs.; S.C.B.B. lamp receptacle; lamp bulb not furnished unless otherwise specified.

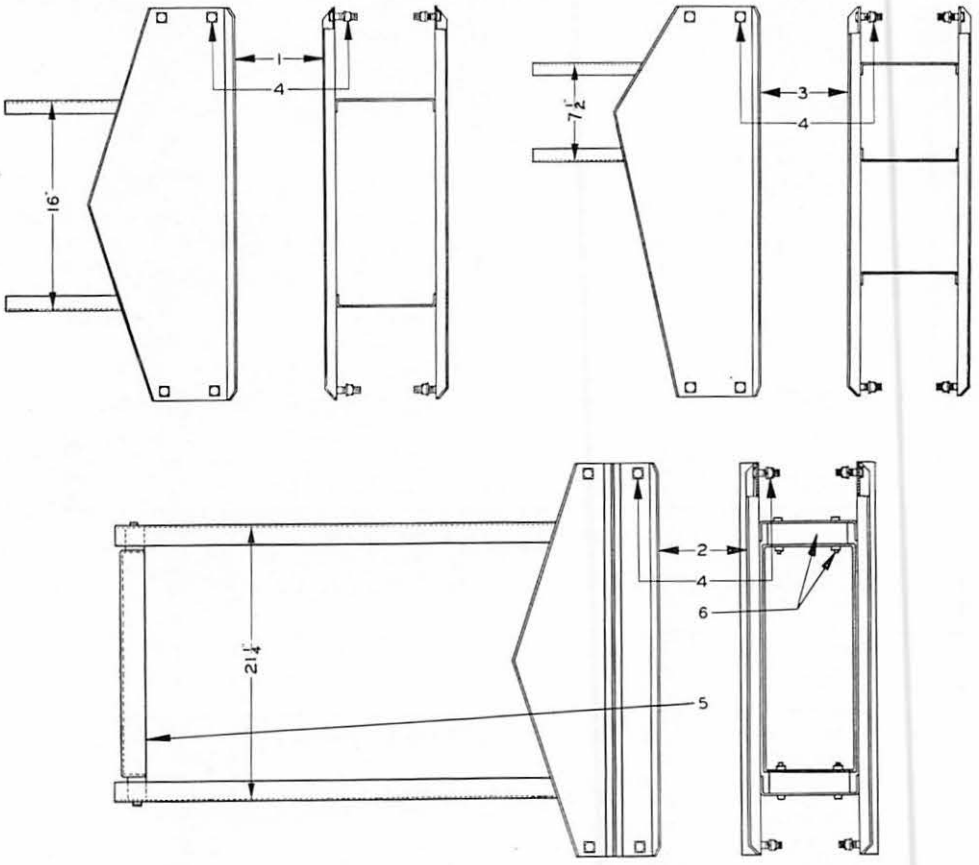
ORDERING REFERENCE

Specify Plate G209, Reference Number, Description and Piece Number

Ref. No.	Description	Piece No.
A	Assembly of Gate Light Complete with Mounting Bracket and Shields	1585
A-1	Assembly of Gate Light Complete with Mounting Bracket (Less Shields)	1585-40
A-2	Subassembly of Gate Light, with Shields (Less Mounting Bracket)	1585-18AX
A-3	Subassembly of Gate Light (Less Mounting Bracket and Shields)	1585-40AX
B	Subassembly of Mounting Bracket (Includes Items 6, 7, 14 and 20)	1585-15A
1	Lamp Receptacle Plate	1585-6
2	Lamp Receptacle	1585-12
3	Gasket	1585-10
4	Fresnel Lens, 360°, Red	1575-11
5	Cover and Retaining Ring Subassembly	1585-11
6	Wire Retainer	1573-9
7	Mounting Bracket	1585-9
8	Housing	1585-3
9	¼"-20 Dualock Nut	90163
10	Shield Clamp	1585-7
11	Shield	1585-2
12	Box Connector	15807
13	Terminal	31887
14	Washer Plate	1575-16
15	Mach. Screw, #10-24 x ½" Lg. Rd. Hd. Brass (N. P.)	
16	Lamp Bulb, Incandescent, S.C.B.B., Type S-11, C-2V Filament (Not Furnished unless otherwise Specified)	
17	Stove Bolt, 3/16" (10-24) x 4" Lg. Fl. Hd. Steel	
18	Pivot Screw	1585-14
19	Mach. Bolt, ¼"-20 x 1½" Lg. Sq. Hd., Sq. Nut and Internal Lockwasher	

Gate Arm Support
For Model 10 Signals
Type 3565-105 Type 3565-105X Type 3565-205

ASSEMBLIES AND REPLACEMENT PARTS



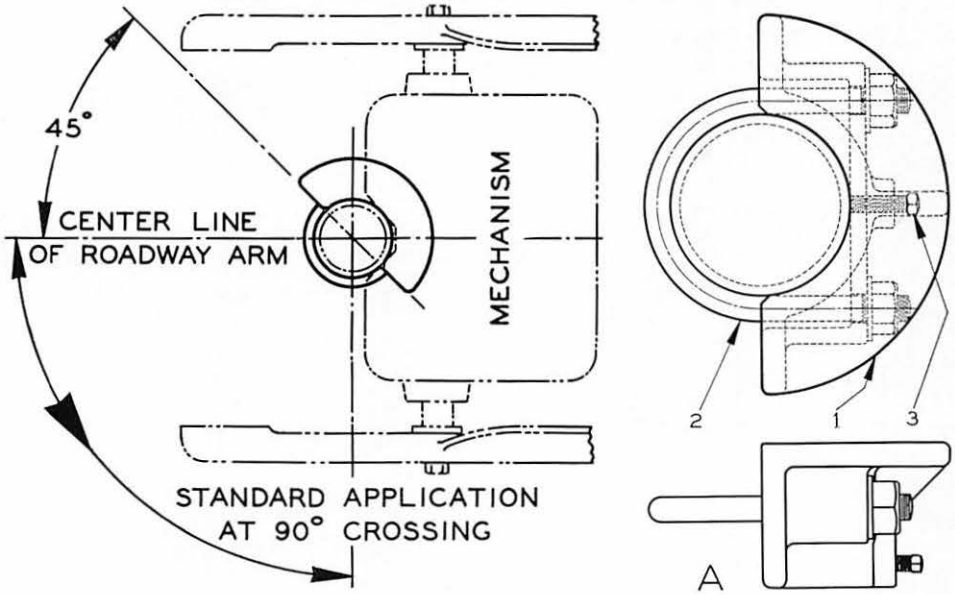
ORDERING REFERENCE

Specify Plate No. G210, Reference Number, Description and Piece Number

Ref. No.	Description	Piece No.
1	Gate Arm Support (For use with Roadway Arms 14′ to 38′ Lg. Incl.) (Includes Item 4)	3565–105
2	Gate Arm Support (For use with Roadway Arms 39′ to 44′ Lg. Incl.) (Includes Items 4, 5 and 6)	3565–105X
3	Gate Arm Support (For use with Sidewalk Arms 18′ Lg. or Less) (Includes Item 4) (See Plates G180 and G181)	3565–205
4	Mach. Bolt, ½″-13 x 1¾″ Lg., Hex. Hd., Sq. Nut and Lock-washer	
5	Inner Brace	3565–113
6	Shipping Block and Bolts	

Mechanism Support
For Model 10 Signals
Type 3565-380A

ASSEMBLY AND REPLACEMENT PARTS



Because, on occasion, only one man is available to service a gate mechanism or damaged gate arm, we offer our No. 3565-380A Mechanism Support illustrated above.

The device may be secured permanently to the mast, or carried as part of a maintainer's servicing equipment.

Proceedure is as follows—

Attach support to mast and against the under side of the mechanism.

Loosen mechanism clamp bolts.

Remove $\frac{3}{8}$" cap screws holding the conduit flange to the junction box base.

When traffic permits, open "Motor Up" and "Slot" circuits in type 3564 Mechanism, or "Slot" circuit in type 3566 Mechanism.

Swing mechanism and gate assembly away from tracks until arm is parallel to curb or highway edge.

After repair is completed, reverse procedure, being careful not to restore "Slot" and "Motor Up" wires until mechanism is restored to its normal position.

ORDERING REFERENCE

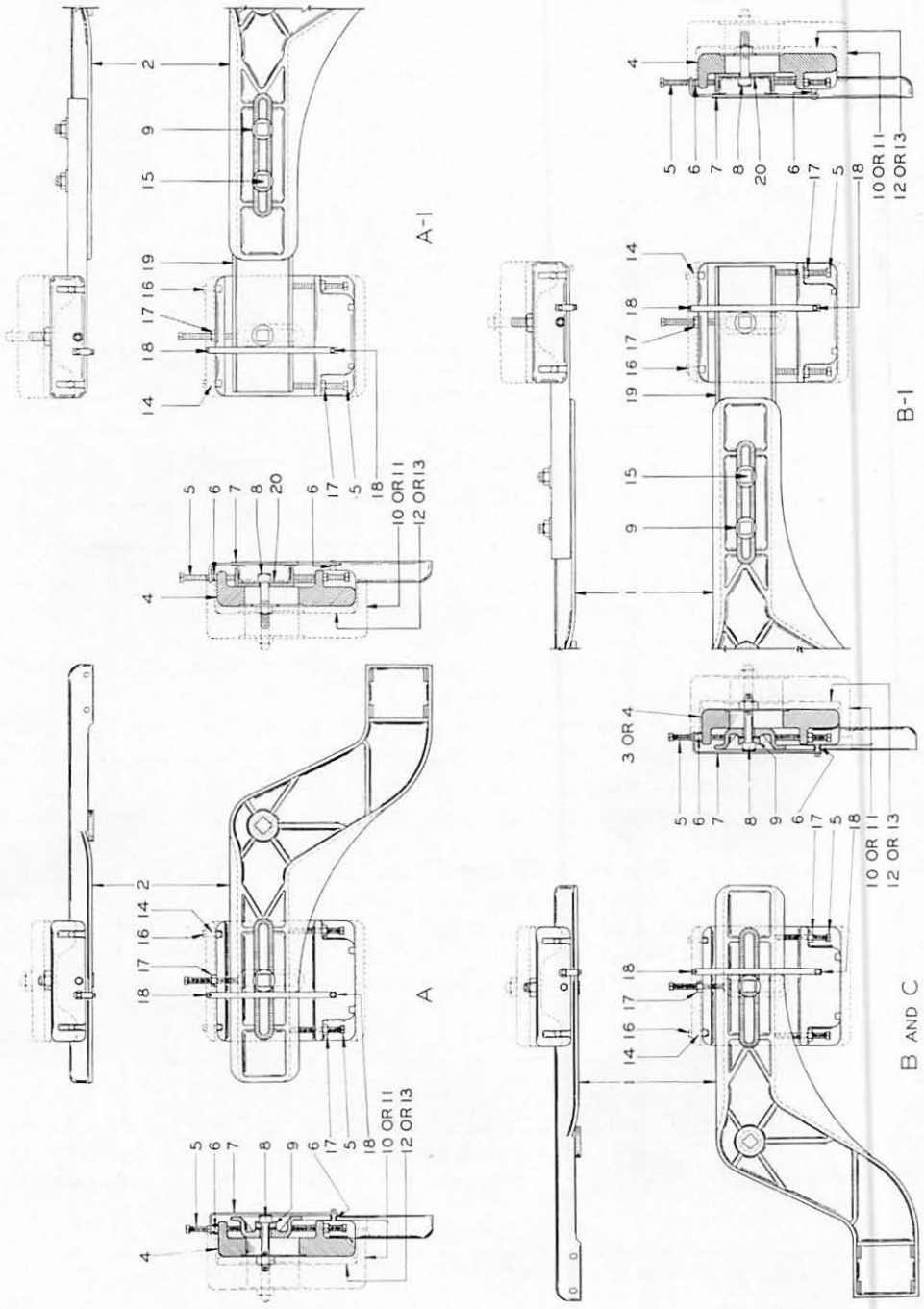
Specify Plate Number G211, Reference Number, Description and Piece Number.

Ref. No.	Description	Piece No.
A	Mechanism Support Complete for 5" I. D. Pipe Mounting	3565-380A
1	Mechanism Support only	3565-380
2	"U" Bolt for 5" I. D. Pipe Mounting	0700-276
3	Set Screw, $\frac{1}{2}$"-13 x $1\frac{3}{4}$" Lg. Sq. Hd. Cup Pt. Steel	

WESTERN RAILROAD SUPPLY COMPANY

Gate and Counterweight Arm For Model 10 Signals

ASSEMBLIES AND REPLACEMENT PARTS



Gate and Counterweight Arm For Model 10 Signals

ASSEMBLIES AND REPLACEMENT PARTS

ORDERING REFERENCE

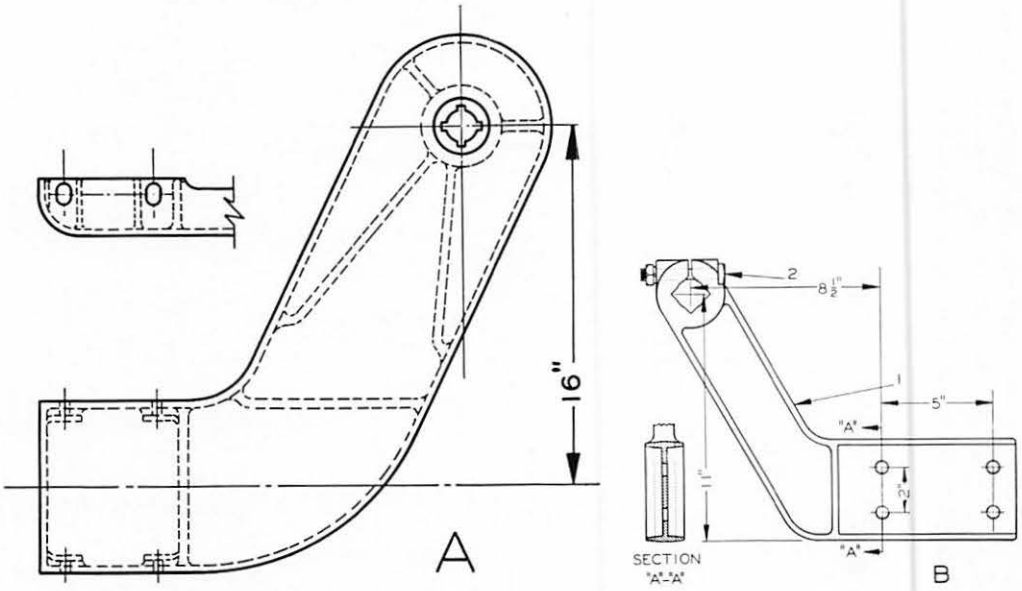
Specify Plate G212, Reference Number, Description and Piece Number

Ref. No.	Description	Piece No.
A	Gate and Counterweight Arm Assembly (For Roadway Arms 25′ to 30′ Lg. Inclusive) (Specify Length of Arm)	3565-102L
A-1	Gate and Counterweight Arm Assembly (For Roadway Arms 31′ to 44′ Lg. Inclusive) (Specify Length of Arm)	3565-102L
B	Gate and Counterweight Arm Assembly (For Roadway Arms 14′ to 30′ Lg. Inclusive) (Specify Length of Arm)	3565-103R
B-1	Gate and Counterweight Arm Assembly (For Roadway Arms 31′ to 44′ Lg. Inclusive) (Specify Length of Arm)	3565-103R
C	Gate and Counterweight Arm Assembly (For Sidewalk Arms 18′ Lg. or Less) (Identical to Reference B, except Less Items 4, 10, 11, 12 and 13, but with Item 3)	3565-103RX
1	Right Hand Gate and Counterweight Arm Only	3565-103
2	Left Hand Gate and Counterweight Arm Only	3565-102
3	Counterweight Complete—85 Lbs.	3565-236
4	Counterweight Complete—160 Lbs.	3565-226A
4A	Counterweight only 160 Lbs.	3565-226
5	Set Screw, 5/8″—11 x 6″ Lg., Sq. Hd. Dog Point Steel	3562-211
6	Sleeve	3562-232
7	Retaining Strap	3562-233
8	Counterweight Mounting Bolt, 6″ Lg. with Hex. Nut and Plain Washer	3562-182-6
8A	Counterweight Mounting Bolt, 7″ Lg., with Hex. Nut and Plain Washer	3562-182-7
8B	Counterweight Mounting Bolt, 8″ Lg. with Hex. Nut and Plain Washer	3562-182-8
8C	Counterweight Mounting Bolt, 9″ Lg. with Hex. Nut and Plain Washer	3562-182-9
8D	Counterweight Mounting Bolt, 10″ Lg. with Hex. Nut and Plain Washer	3565-182-10
8E	Counterweight Mounting Bolt, 11″ Lg. with Hex. Nut and Plain Washer	3565-182-11
8F	Counterweight Mounting Bolt, 12″ Lg. with Hex. Nut and Plain Washer	3565-182-12
9	Clamp Washer	3565-104
10	Counterweight 100 Lbs.	3562-229
11	Counterweight 200 Lbs.	3562-230
12	Counterweight 25 Lbs.	3562-228
13	Counterweight 50 Lbs.	3562-227
14	Retaining Pin	3562-242
15	Mach. Bolt, 1″—8 x 3½″ Lg. Sq. Hd. Steel and 2 Plain Washers	
16	Hex. Nut, 3/8″—16, Steel.	
17	Hex. Nut, 5/8″—11, Steel.	
18	Cap Screw, 3/8″—16 x 1¾″ Hex. Hd. Steel	
19	Counterweight Extension Arm (For Use with Ref. A1 and B1)	3565-174

WESTERN RAILROAD SUPPLY COMPANY

Gate Support Arm and Sidewalk Arm Bracket For Model 10 Signals

ASSEMBLIES AND REPLACEMENT PARTS



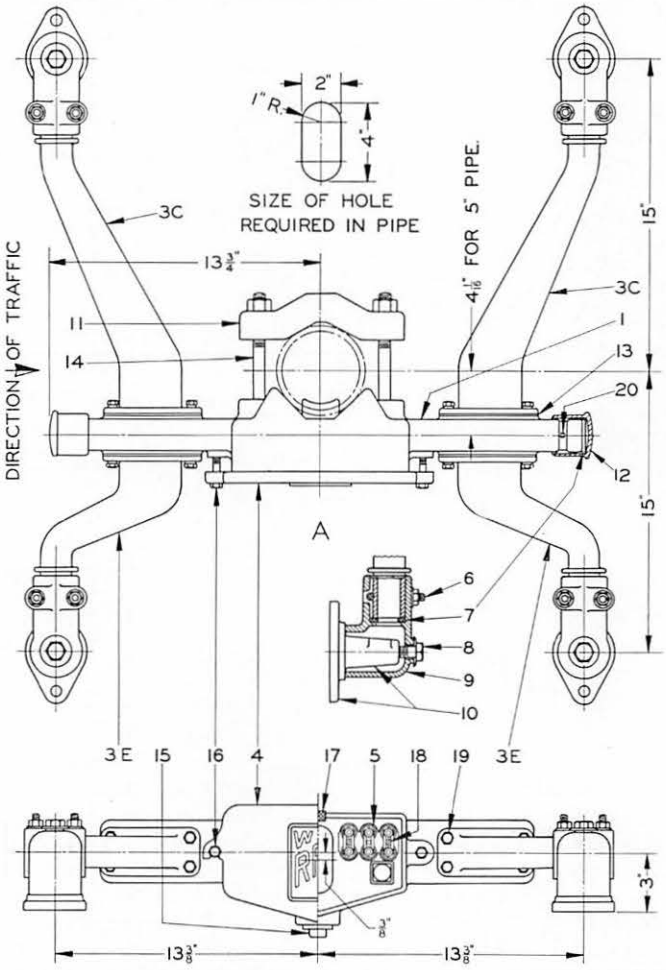
ORDERING REFERENCE

Specify Plate G214, Reference Number, Description and Piece Number

Ref. No.	Description	Piece No.
A	Gate Support Arm Complete (For use with Roadway Arm 14′ to 24′ Lg. Inclusive)	3565–101
B	Sidewalk Arm Bracket Complete (For use with Sidewalk Arm 18′ Lg. or Less)	3565–111
1	Sidewalk Arm Bracket (Casting only)	3565–111
2	Mach. Bolt, ½″—13 x 3½″ Lg. Sq. Hd., Steel Hex. Nut and Lock Washer	

Junction Box Cross Arm For Two-Way Indication Type 950-54

ASSEMBLY AND REPLACEMENT PARTS



ORDERING REFERENCE

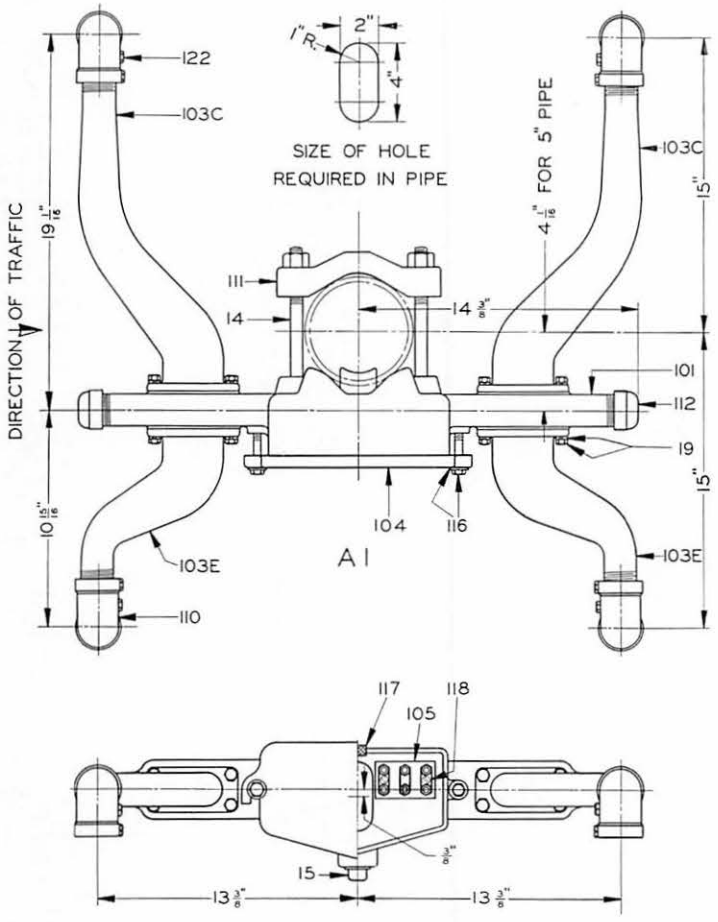
Specify Plate G220, Reference Number, Description and Piece Number

Ref. No.	Description	Piece No.
A	Junction Box Cross Arm Assembly for Mounting Four 950-201, or Four HC-81 Light Units (For 5" I.D. Pipe Mounting)	950-54

For detail parts, see pages 42 and 43.

Junction Box Cross Arm For Two-Way Indication Type 950-54G

ASSEMBLY AND REPLACEMENT PARTS



ORDERING REFERENCE

Specify Plate G220, Reference Number, Description and Piece Number

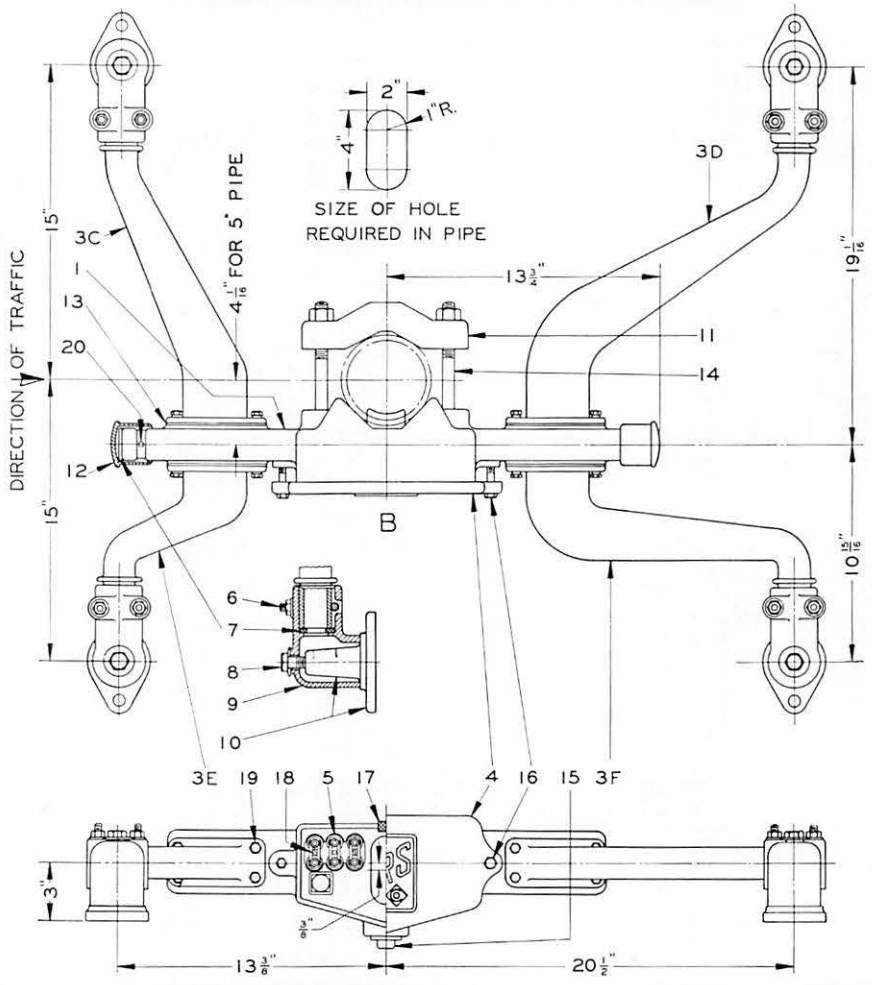
Ref. No.	Description	Piece No.
A-1	Junction Box Cross Arm Assembly for Mounting Four Type XC Light Units (For 5" I.D. Pipe Mounting).....	950-54G

For detail parts, see pages 42 and 43.

WESTERN RAILROAD SUPPLY COMPANY

Junction Box Cross Arm For Two-Way Indication Type 950-74R

ASSEMBLY AND REPLACEMENT PARTS



ORDERING REFERENCE

Specify Plate G220, Reference Number, Description and Piece Number

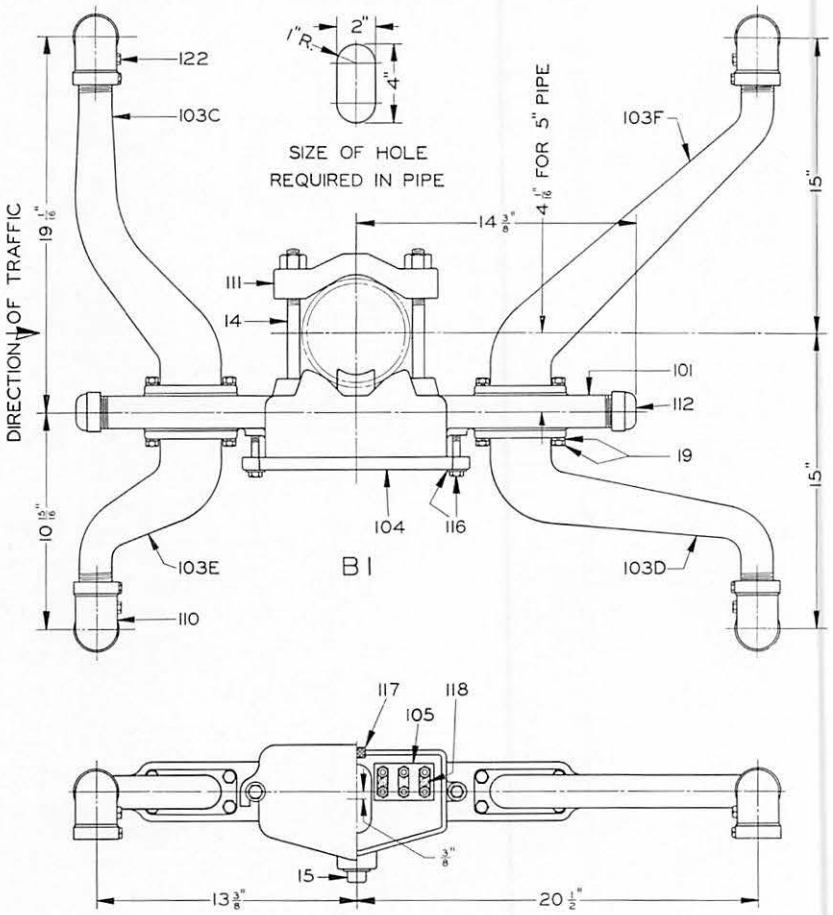
Ref. No.	Description	Piece No.
B	Junction Box Cross Arm Assembly for Mounting Four 950-201, or Four HC-81 Light Units (For 5" I.D. Pipe Mounting)	950-74R

For detail parts, see pages 42 and 43.

WESTERN RAILROAD SUPPLY COMPANY

Junction Box Cross Arm For Two-Way Indication Type 950-74RG

ASSEMBLY AND REPLACEMENT PARTS



ORDERING REFERENCE

Specify Plate G220, Reference Number, Description and Piece Number

Ref. No.	Description	Piece No.
B-1	Junction Box Cross Arm Assembly for Mounting Four Type XC Light Units (For 5" I.D. Pipe Mounting).....	950-74RG

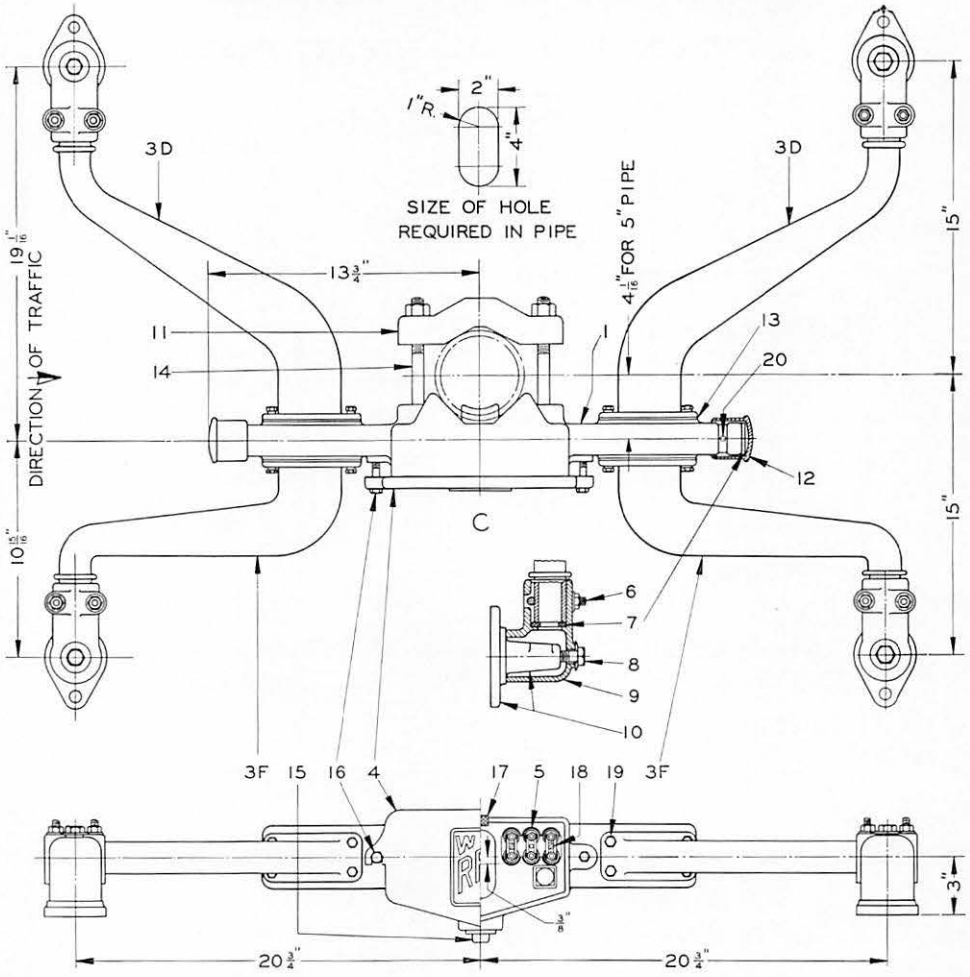
For detail parts, see pages 42 and 43.

WESTERN RAILROAD SUPPLY COMPANY

Junction Box Cross Arm For Two-Way Indication

Type 950-84 Type 950-84G

ASSEMBLIES AND REPLACEMENT PARTS



ORDERING REFERENCE

Specify Plate G220, Reference Number, Description and Piece Number

Ref. No.	Description	Piece No.
C	Junction Box Cross Arm Assembly for Mounting Four 950-201, or Four HC-81 Light Units (For 5" I.D. Pipe Mounting)	950-84
C-1	Junction Box Cross Arm Assembly with Adaptor (Ref. J, page 42), for Mounting Four Type XC Light Units (For 5" I.D. Pipe Mounting)	950-84G

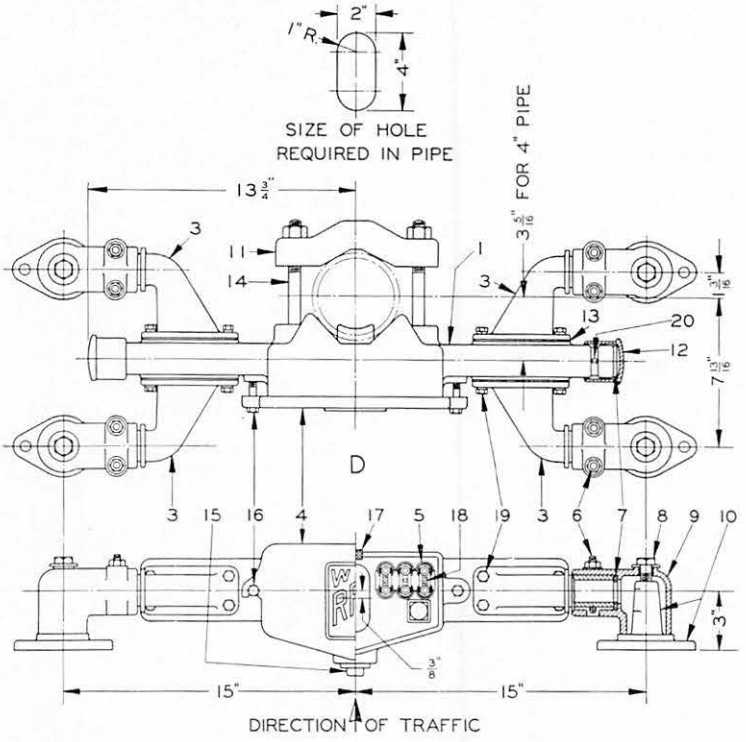
For detail parts, see pages 42 and 43.

WESTERN RAILROAD SUPPLY COMPANY

Junction Box Cross Arm For Two-Way Indication

Type 950-5 Type 950-5G

ASSEMBLIES AND REPLACEMENT PARTS



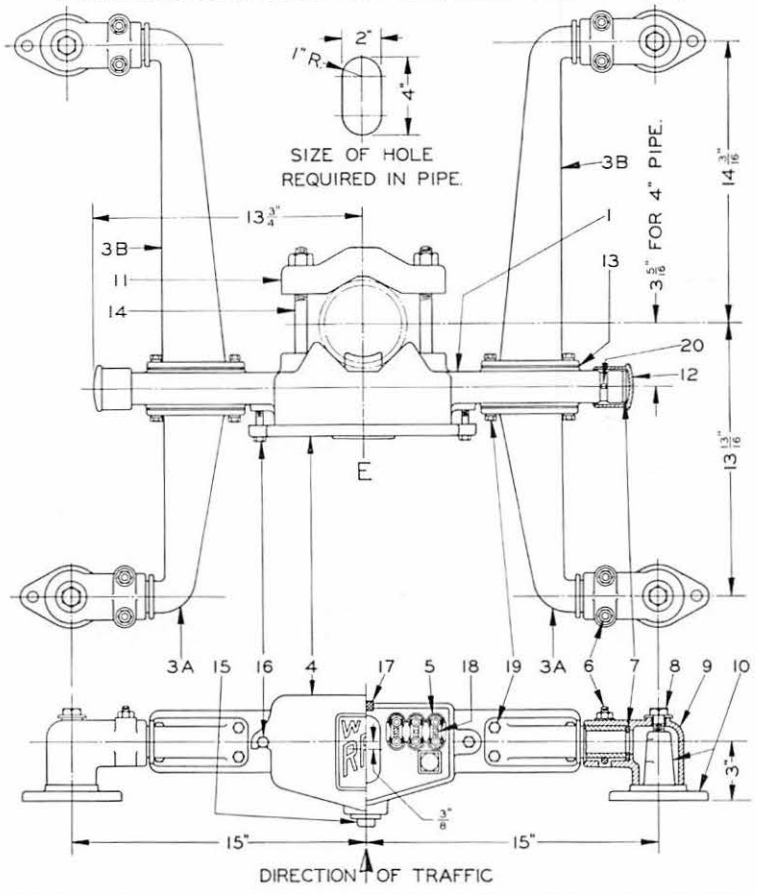
ORDERING REFERENCE Specify Plate G220, Reference Number, Description and Piece Number		
Ref. No.	Description	Piece No.
D	Junction Box Cross Arm Assembly for Mounting Four 950-201, or Four HC-81 Light Units (Specify Pipe Size)	950-5
D-1	Junction Box Cross Arm Assembly, with Adaptor (Ref. J, Page 42), for Mounting Four Type XC Light Units (Specify Pipe Size)	950-5G

For detail parts, see pages 42 and 43.

Junction Box Cross Arm For Two-Way Indication

Type 950-5XX Type 950-5XXG

ASSEMBLIES AND REPLACEMENT PARTS



ORDERING REFERENCE

Specify Plate G220, Reference Number, Description and Piece Number

Ref. No.	Description	Piece No.
E	Junction Box Cross Arm Assembly for Mounting Four 950-201, or Four HC-81 Light Units (For 4" I.D. Pipe Mounting)	950-5XX
E-1	Junction Box Cross Arm Assembly, with Adaptor (Ref. J, Page 42), for Mounting Four Type XC Light Units (For 4" I. D. Pipe Mounting)	950-5XXG

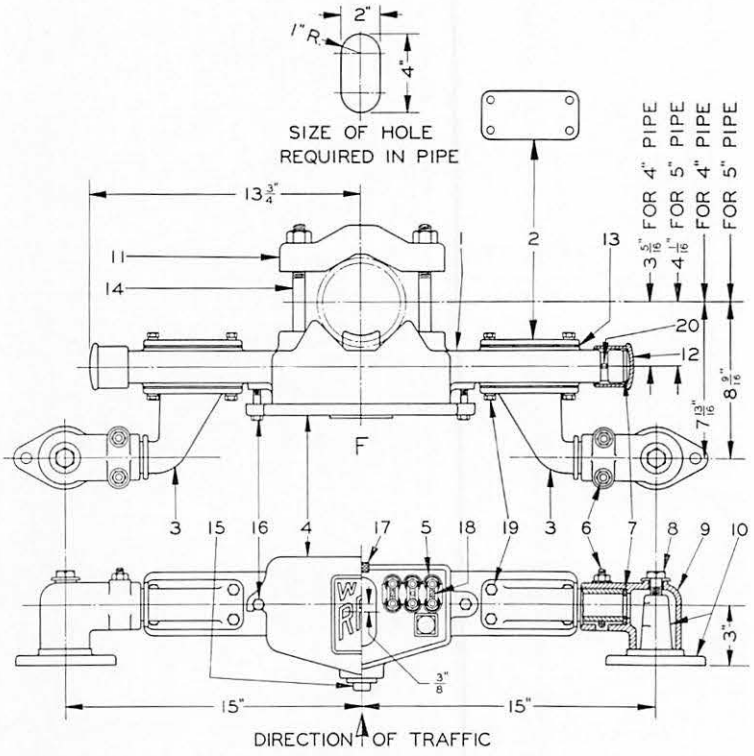
For detail parts, see pages 42 and 43.

WESTERN RAILROAD SUPPLY COMPANY

Junction Box Cross Arm For One-Way Indication

Type 950-83 Type 950-83G

ASSEMBLIES AND REPLACEMENT PARTS



ORDERING REFERENCE

Specify Plate G220, Reference Number, Description and Piece Number

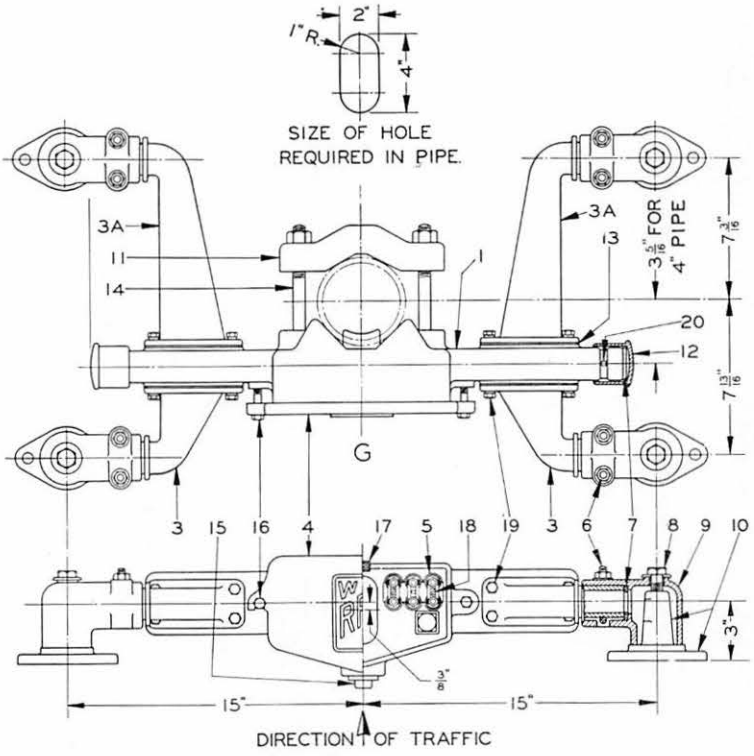
Ref. No.	Description	Piece No.
F	Junction Box Cross Arm Assembly for Mounting Two 950-201, or Two HC-81 Light Units. (Specify Pipe Size)	950-83
F-1	Junction Box Cross Arm Assembly, with Adaptor (Ref. J, Page 42), for Mounting Two Type XC Light Units. (Specify Pipe Size)	950-83G

For detail parts, see pages 42 and 43.

Junction Box Cross Arm For Two-Way Indication

Type 950-88 Type 950-88G

ASSEMBLIES AND REPLACEMENT PARTS



ORDERING REFERENCE

Specify Plate G220, Reference Number, Description and Piece Number

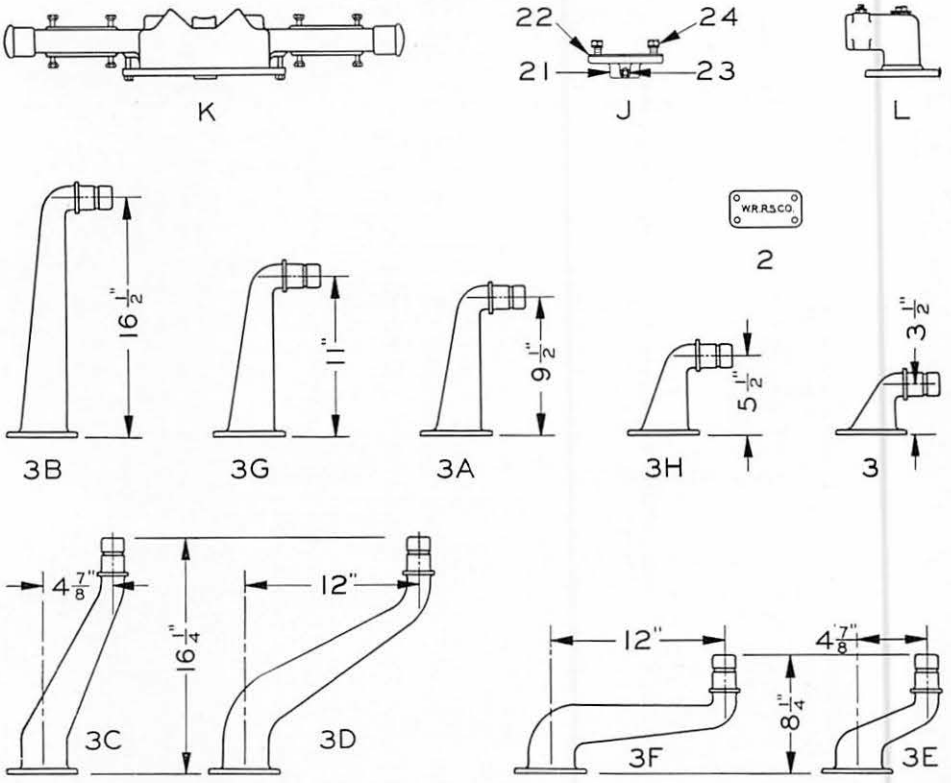
Ref. No.	Description	Piece No.
G	Junction Box Cross Arm Assembly for Mounting Four 950-201, or Four HC-81 Light Units (Specify Pipe Size)	950-88
G-1	Junction Box Cross Arm Assembly, with Adaptor (Ref. J, Page 42), for Mounting Four Type XC Light Units (Specify Pipe Size)	950-88G

For detail parts, see pages 42 and 43.

WESTERN RAILROAD SUPPLY COMPANY

Junction Box Cross Arms

REPLACEMENT PARTS



ORDERING REFERENCE

Specify Plate G220, Reference Number, Description and Piece Number

Ref. No.	Description	Piece No.
J	Subassembly of Adaptor for Mounting Type XC Light Units on Type 950 Junction Box Cross Arms (Includes Items 21, 22, 23 and 24)	950-72B
K	Subassembly of Junction Box Cross Arm (Includes Items 1, 4, 5, 7, 12, 15, 16, 18, 19 and 20)	950-62
L	Subassembly of Supporting Bracket (Includes Items 6, 7, 8, 9 and 10)	950-63
1	Junction Box Cross Arm (Casting only)	950-22
2	Cover Plate	950-39
3	Bracket, 3½"	950-57
3A	Bracket, 9½"	950-47
3B	Bracket, 16½"	950-46
3C	Bracket, 16¼" x 4⅞"	950-67
3D	Bracket, 16¼" x 12"	950-77
3E	Bracket, 8¼" x 4⅞"	950-66
3F	Bracket, 8¼" x 12"	950-76
3G	Bracket, 11"	950-37
3H	Bracket, 5½"	950-36

Junction Box Cross Arms

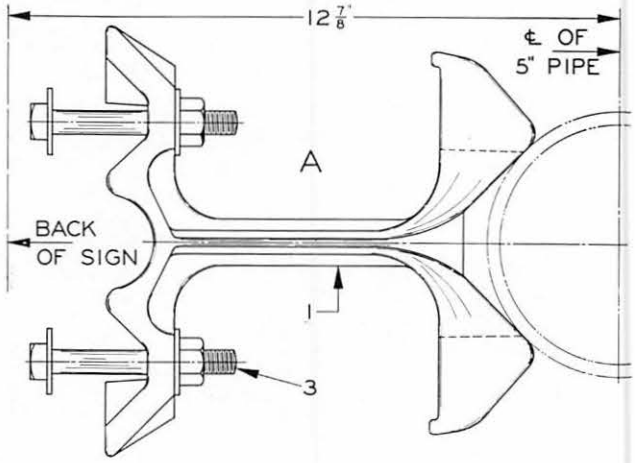
REPLACEMENT PARTS
(Continued)

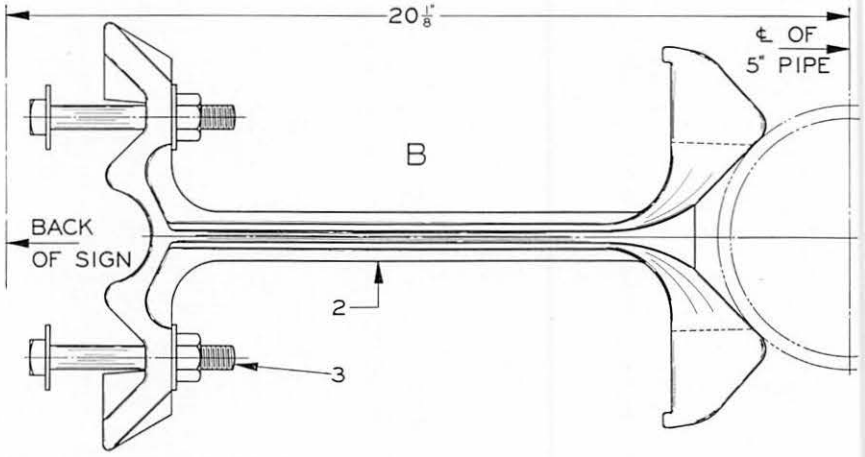
ORDERING REFERENCE
Specify Plate G220, Reference Number, Description and Piece Number

Ref. No.	Description	Piece No.
4	Cover, Complete with Packing	950–21
5	Terminal Block, Complete	2506–13
6	"U" Bolt, 3/8"-16, Complete with Nuts	950–31
7	Gasket, Sponge Rubber	950–28
8	Bolt Complete with Washer	950–33
9	Supporting Bracket Only (Less Items 6, 7, 8 and 10)	950–30
10	Light Unit Support	950–32
11	Adaptor Clamp	950–34
12	Cap	950–29
13	Gasket, Cork	950–27
14	Mach. Bolt, 5/8"-11 x 7 1/2" Lg., Sq. Hd. Steel, and Hex. Nut (For 5" Pipe Mounting)	
14A	Mach. Bolt, 5/8"-11 x 6" Lg., Sq. Hd. Steel, and Hex. Nut (For 4" Pipe Mounting)	
15	Pipe Plug, 1 1/4" St'd., Iron	
16	Cap Screw, 3/8"-16 x 2" Lg. Hex. Hd. Steel	
17	Torchwick Packing 3/8" Diameter x 27" Lg.	
18	Mach. Screw, No. 10-32 x 5/8" Lg. Fil. Hd. Steel	
19	Cap Screw, 3/8"-16 x 7/8" Lg., Hex. Hd. Steel and Plain Washer	
20	Set Screw 1/4"-20 x 1/2" Lg., Sq. Hd. Cup. Pt. Steel	
21	Adaptor Only	950–72
22	Gasket	950–17
23	Set Screw, 3/8"-16 x 1 1/4" Lg. Sq. Hd. Cup. Pt. Steel and Hex. Nut	
24	Cap Screw, 1/2"-13 x 1 1/4" Lg., Hex. Hd. Steel and Lockwasher	
101	Junction Box Cross Arm (Casting only)	55215–3
103C	Bracket, 16 1/4" x 4 7/8"	55884–6
103D	Bracket, 8 1/4" x 12"	55884–4
103E	Bracket, 8 1/4" x 4 7/8"	55884–7
103F	Bracket, 16 1/4" x 12"	55884–5
104	Cover Complete with Packing	49134–15
105	Terminal Block Complete	46048–23
110	Elbow	53135–3
111	Adaptor Clamp	4137–6
112	Cap	32367–2
116	Cap Screw, 3/8"-16 x 2 1/4" Lg., Hex. Hd. and 7/16" I.D. x 1" O.D. Washer	
117	Torchwick Packing, 3/8" Diameter x 27" Lg.	
118	Mach. Screw, No. 14-24 x 5/8" Lg. Fil. Hd. Steel	
122	Cap Screw 3/8"-16 x 2" Lg. Hex. Hd. Steel	

Extension Brackets For Crossing Signs Type 3366-40 Type 3366-140

ASSEMBLIES AND REPLACEMENT PARTS





ORDERING REFERENCE

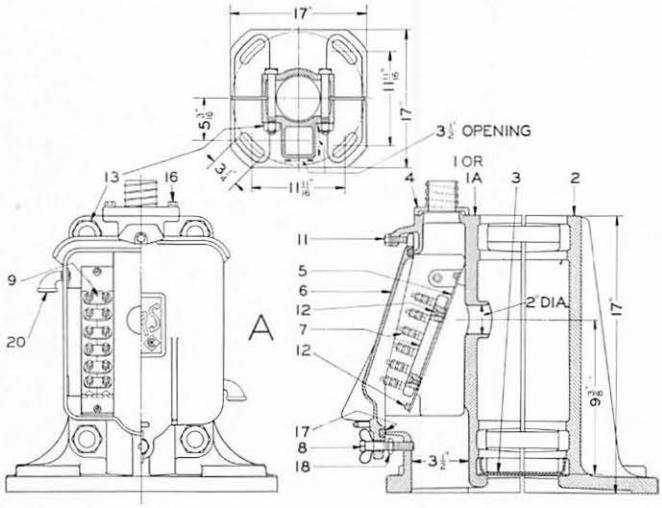
Specify Plate No. G222, Reference Number, Description and Piece Number

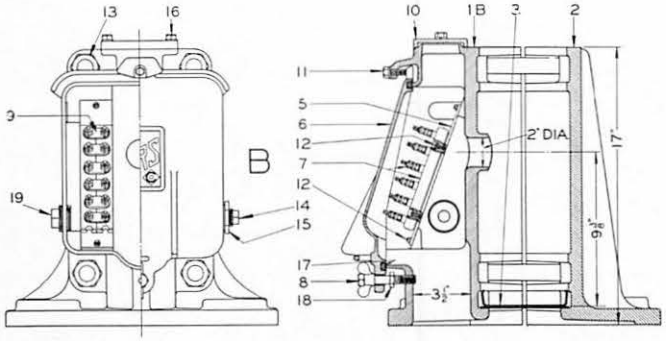
Ref. No.	Description	Piece No.
A	Assembly of Type 3366-40 Extension Bracket Complete with Bolts, Nuts and Washers	3366–40
B	Assembly of Type 3366-140 Extension Bracket Complete with Bolts, Nuts and Washers	3366–140
1	Extension Bracket, casting only	3366–41
2	Extension Bracket, casting only	3366–141
3	Mach. Bolt, ½"-13 x 4" Lg., Sq. Hd., Steel, Hex. Nut and 2 Plain Steel Washers	

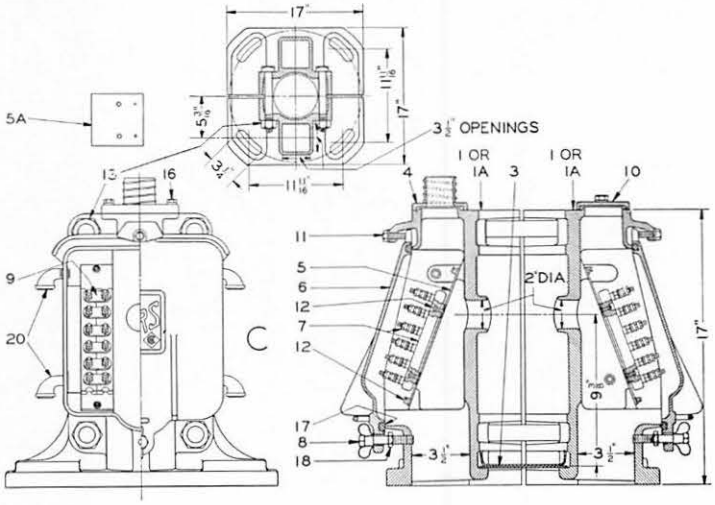
MEMORANDA

Junction Box Clamp Type Base
Type 2149

ASSEMBLIES AND REPLACEMENT PARTS







Junction Box Clamp Type Base Type 2149

ASSEMBLIES AND REPLACEMENT PARTS

ORDERING REFERENCE

Specify Plate No. G224, Reference Number, Description and Piece Number

Ref. No.	Number of Binding Posts	Ventilators	Conduit Flange Ref. 4	Piece No.
A	24	Without	With	2149–11
A-1	24	With	With	2149–11C
A-2	32	Without	With	2149–11X
A-3	28	Without	With	2149–11Y
A-4	Without	Without	Without	2149
B	24	Without	Without	2149–11B
C	48	Without	With	2149–12
C-1	48	With	Without	2149–12C
C-2	48	With	With	2149–12E

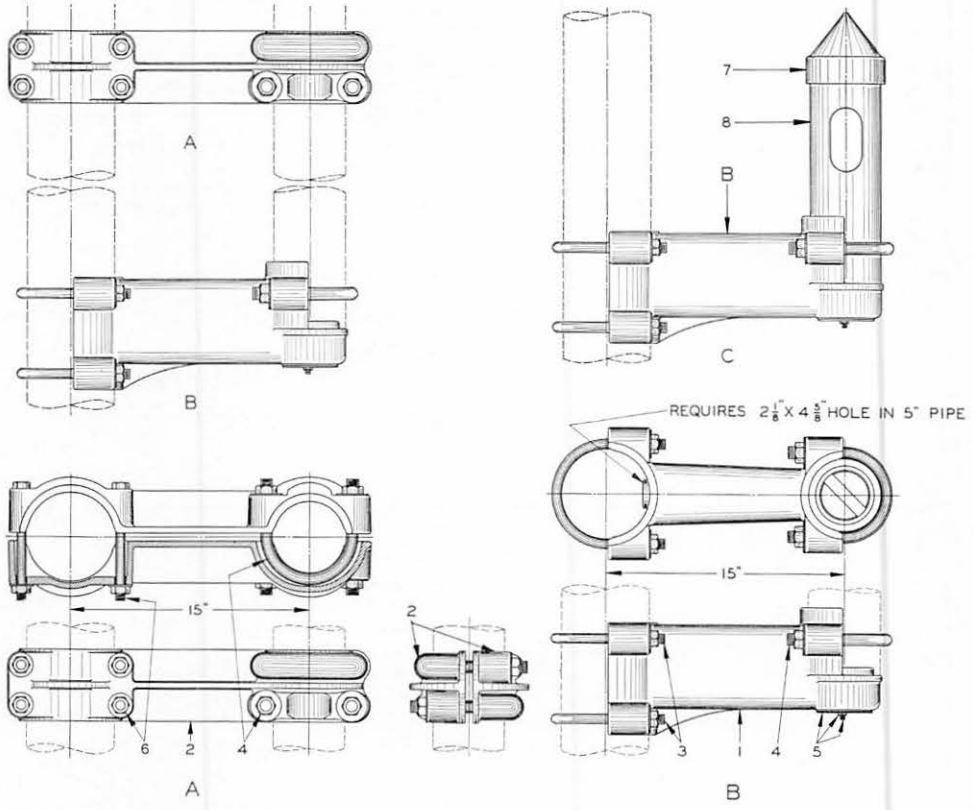
Ref. No.	Description	Piece No.
1	Junction Box Half (Without Terminals, Cover, Ventilators and Fittings) (For Ref's. A, A–2, A–3 and C)	2149–15
1A	Junction Box Half (Without Terminals, Cover, Ventilators and Fittings) (For Ref's. A–1, C–1 and C–2)	2149–15C
1B	Junction Box Half (Without Terminals, Cover, Ventilators and Fittings) (For Ref. B)	2149–15B
2	Split Base Half	2149–13
3	Pipe Shield	2149–24
4	Conduit Flange	2149–17
5	Terminal Mounting Plate	2149–25
5A	Terminal Mounting Plate (For Ref. 7B only)	2149–32
6	Cover with Packing Ref. 17	2149–16
7	Terminal Strip (6 Way)	2508–16
7A	Terminal Strip (7 Way) (For Ref. A–3 only)	2508–17
7B	Terminal Strip (4 Way) (For Ref. A–2 only)	2508–14
8	Thumb Screw	2149–18A
9	Connector	7323–2
10	Blank Cover	2149–22
11	Cap Screw, 3/8″—16 x 7/8″ Lg. Hex. Hd. Steel and Pl. Washer	
12	Mach. Screw, 14—24 x 3/8″ Lg. Fil. Hd. Steel	
13	Mach. Bolt, 1″—8 x 7½″ Lg. Sq. Hd. Steel and Hex. Nut	
14	Pipe Plug, 3/4″ Std. Iron	
15	Pipe Reducer Bushing, 1¼″ x 3/4″ Std. Iron	
16	Cap Screw, 3/8″—16 x 1⅛″ Lg. Hex. Hd. Steel and Lock Washer	
17	Packing, Flax or Jute, 3/8″ Sq. x 3′—2½″ Lg.	
18	Hex. Jam Nut, ½″—13 Std., Steel	
19	Pipe Plug, 1¼″ Std. Iron	
20	Ventilator	1143–16

WESTERN RAILROAD SUPPLY COMPANY

Upper and Lower Supporting Brackets For Offset Mast Type Model 10 Signals

Type 3565-65 Type 3565-67 Type 3565-367

ASSEMBLIES AND REPLACEMENT PARTS



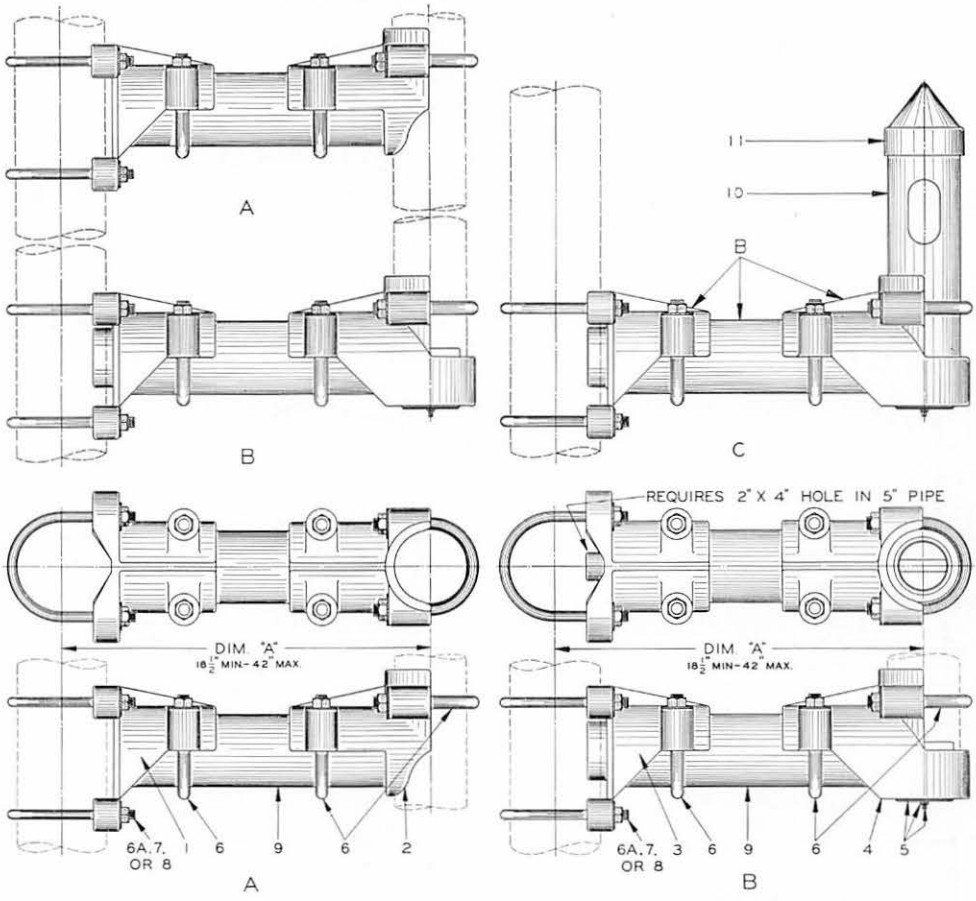
ORDERING REFERENCE

Specify Plate G226, Reference Number, Description and Piece Number

Ref. No.	Description	Piece No.
A	Upper Supporting Bracket Assembly	3565–65
B	Lower Supporting Bracket Assembly	3565–67
C	Supporting Bracket and Dowel Mast Assembly	3565–367
1	Upper Bracket Casting Only	3565–69
2	Upper Bracket Casting Only	3565–68
3	"U" Bolt for 5" I.D. Pipe	1264–5
4	"U" Bolt for 4" I.D. Pipe	3565–163
5	Wire Opening Cover and Clamp Subassembly	3565–162A
6	Mach. Bolt, 5/8"—11 x 7" Lg. Sq. Hd. Steel, Hex. Steel Nut and Plain Washer	
7	Pinnacle	110–6
8	Dowel, 4" I.D. x 14" Lg. (Maybe turned in Socket to any Angle)	714–8

Upper and Lower Supporting Brackets For Offset Mast Type Model 10 Signals Type 3565-165 Type 3565-167 Type 3565-267

ASSEMBLIES AND REPLACEMENT PARTS



ORDERING REFERENCE

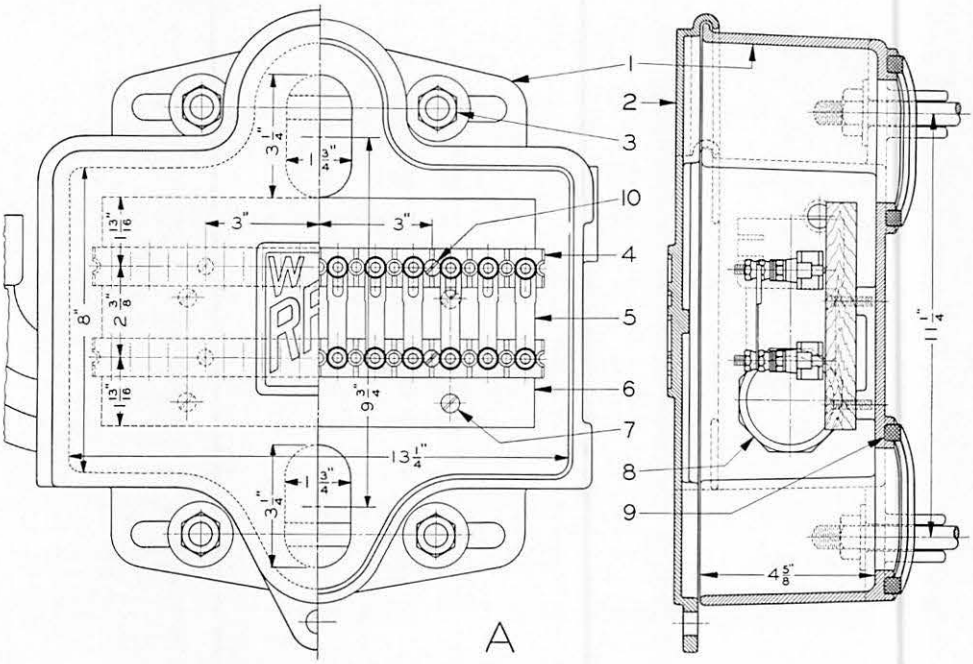
Specify Plate G228, Reference Number, Description and Piece Number

Ref. No.	Description	Piece No.
A	Upper Supporting Bracket Assembly (Specify Dimension "A" in inches)	3565–165
B	Lower Supporting Bracket Assembly (Specify Dimension "A" in inches)	3565–167
C	Supporting Bracket and Dowel Mast Assembly (Specify Dimension "A" in inches)	3565–267
1	Inner Support	3565–169
2	Outer Support	3565–164
3	Inner Support	3565–168
4	Outer Support	3565–166
5	Wire Opening Cover and Clamp Sub-Assembly	3565–162A
6	"U" Bolt for 4" I.D. Pipe	3565–163
6A	"U" Bolt for 4" I.D. Pipe	1264–4
7	"U" Bolt for 5" I.D. Pipe	1264–5
8	"U" Bolt for 6" I.D. Pipe	1264–6
9	Pipe, 4" I.D. (Length as Required)	
10	Dowel, 4" I.D. x 14" Lg. (Maybe turned in Socket to any Angle)	714–8
11	Pinnacle	110–6

WESTERN RAILROAD SUPPLY COMPANY

Junction Box
Type 1228W

ASSEMBLY AND REPLACEMENT PARTS



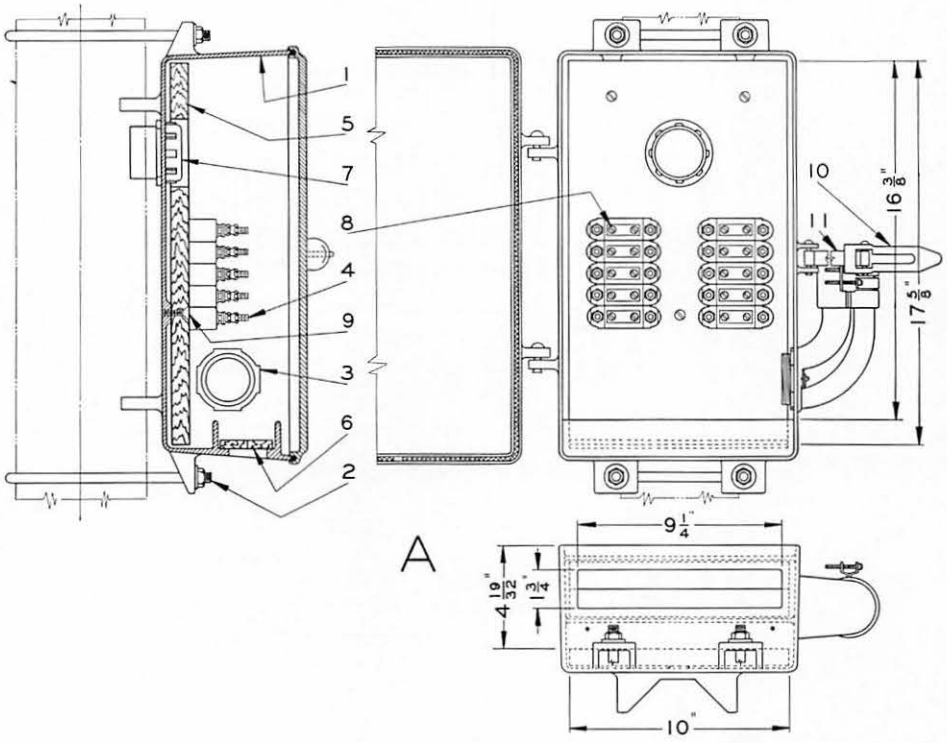
ORDERING REFERENCE

Specify Plate No. G230, Reference Number, Description and Piece Number

Ref. No.	Description	Piece No.
A	Junction Box Complete with Terminals and "U" Bolts	1228W
1	Case	1228–2
2	Cover	1228–3
3	"U" Bolt, Complete with Nuts and Washers (For 5" I.D. Pipe)	1264–5
4	Terminal Strip (12 Way)	2508–112
5	Connector	1056–4
6	Terminal Board	1228–14
7	Mach. Screw, 14–24 x 1¼" Lg., Fl. Hd	
8	2"-90 Squeeze Connector	
9	Torchwick Packing, 7/16" x 10⅞" Lg.	
10	Wood Screw, #10 x 1" Lg. Rd. Hd	

Junction Box
Type 1246-21P

ASSEMBLY AND REPLACEMENT PARTS



ORDERING REFERENCE

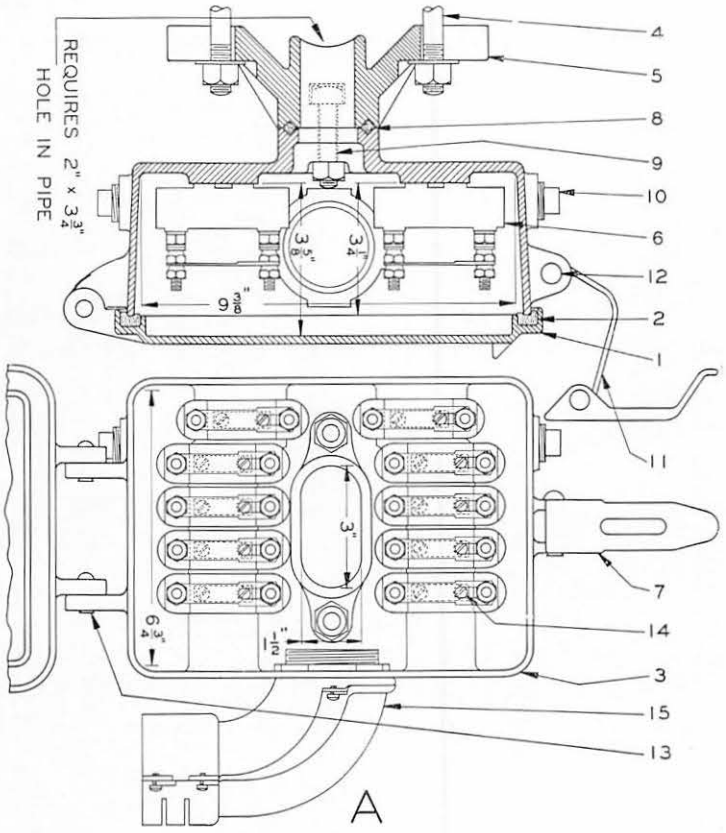
Specify Plate G232, Reference Number, Description and Piece Number

Ref. No.	Description	Piece No.
A	Junction Box Complete with Terminals and "U" Bolts	1246-21P
1	Sub-assembly of Case and Cover	1246-9B
1A	Case, only	1246-1AP
1B	Cover, complete with Packing and Staple	1246-3AP
2	"U" Bolt, complete with Nuts and Washers (For 5" I.D. Pipe)	1246-5
3	2"-90° Squeeze Connector	
4	Terminal Block	1056-5
5	Terminal Board	1246-27
6	Floor Board	1246-28
7	Pipe Nipple, 2" x 2" Lg., Bushing & Locknut	
8	Wood Screw, #10 x 1" Lg. Rd. Hd.	
9	Mach. Screw, #10-32 x 1⅛" Lg. Fl. Hd.	
10	Latch	1003-3
11	Spring	1003-5
11A	Hasp, Complete	1003-54

WESTERN RAILROAD SUPPLY COMPANY

Junction Box
Type 1265-20C

ASSEMBLY AND REPLACEMENT PARTS



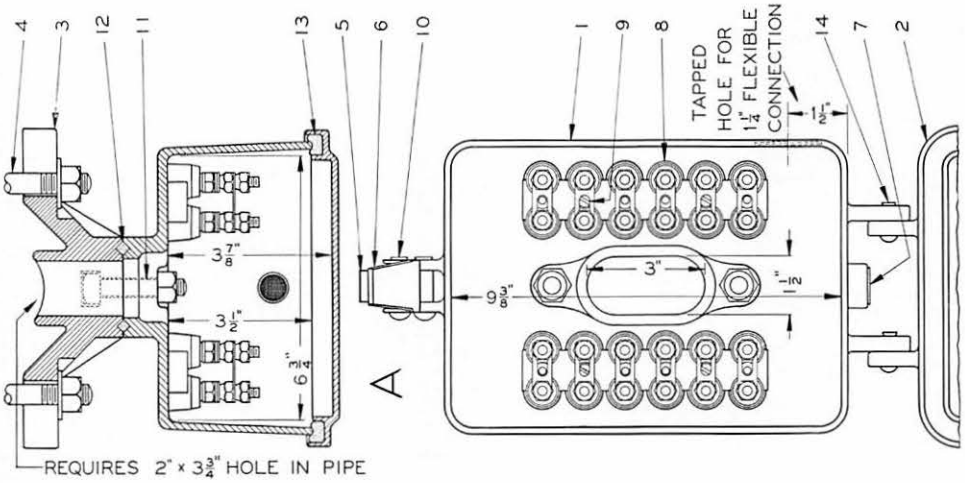
ORDERING REFERENCE

Specify Plate G234, Reference Number, Description and Piece Number

Ref. No.	Description	Piece No.
A	Junction Box Complete with Terminals and "U" Bolt	1265-20C
1	Cover Sub-assembly, Complete with Packing	1265-5
2	Torchwick Packing, 7/16" x 33" Lg.	
3	Case	1265-1J
4	"U" Bolt Complete with Nuts and Washers (For 5" Pipe)	3364-5
5	Clamp	1265-102
6	Terminal Block	1056-5
7	Latch	1003-3
7A	Hasp Complete	1003-54
8	Torchwick Packing 7/16" x 11" Lg.	
9	Mach. Bolt, ½"-13 x 2" Lg. Sq. Hd. and Hex. Nut	
10	Pipe Plug ½" Std., Iron	
11	Spring	1003-5
12	Rd. Hd. Rivet, 5/16" x 1½" Lg., Brass	
13	Rd. Hd. Rivet, ¼" x ⅞" Lg., Brass	
14	Mach. Screw, 10-32 x ¾" Lg., Rd. Hd., Brass	
15	2"-90° Sqeeze Connector	

Junction Box
Type 1265-155AB

ASSEMBLY AND REPLACEMENT PARTS



ORDERING REFERENCE

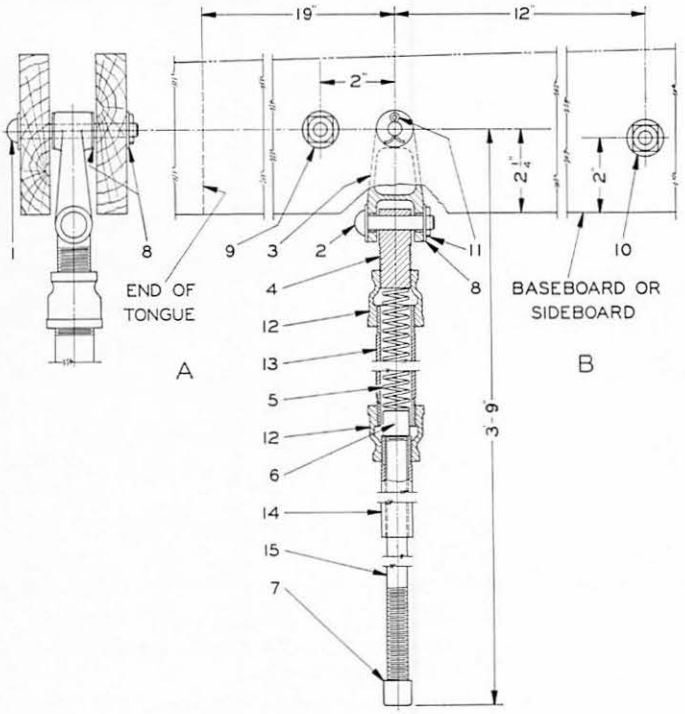
Specify Plate G236, Reference Number, Description and Piece Number

Ref. No.	Description	Piece No.
A	Junction Box Complete with Terminals and "U" Bolt	1265-155AB
1	Case	1265-101B
2	Cover Sub-assembly, Complete with Packing	1265-5
3	Clamp	1265-102
4	"U" Bolt, complete with Nuts and Washers (For 5" Pipe)	3364-5
5	Spring	1003-5
6	Latch	1003-3
6A	Hasp, complete	1003-54
7	Ventilator	1265-6
8	Terminal Strip (6 Way)	2506-16
9	Mach. Screw, 10-32 x ½" Lg. Rd. Hd. Brass	
10	Rd. Hd. Rivet, 5/16" x 1½" Lg. Brass	
11	Mach. Bolt, ½"-13 x 2" Lg. Sq. Hd., and Hex Nut	
12	Torchwick Packing, 7/16" x 11" Lg.	
13	Torchwick Packing, 7/16" x 33" Lg.	
14	Rd. Hd. Rivet, ¼" x ⅞" Lg. Brass	

WESTERN RAILROAD SUPPLY COMPANY

Buffer Leg
For Use With Roadway Arms 31' to 44' Long

ASSEMBLY AND REPLACEMENT PARTS



ORDERING REFERENCE

Specify Plate G238, Reference Number, Description and Piece Number

Ref. No.	Description	Piece No.
A	Buffer Leg Assembly Complete	3562-316A
B	Buffer Leg Assembly Complete, Less Ref. Nos. 9 and 10	3562-316
1	Rivet, 3/8" x 3 1/4" Lg., Steel	3562-133A
2	Rivet, 3/8" x 1 7/8" Lg., Steel	3562-133
3	Yoke	3562-117B
4	Plug	3562-317
5	Compression Spring	3562-318
6	Pipe Cap., Iron	3562-319
7	Pipe Cap, 1/4" Std., Iron	
8	Plain Washer, 3/8" I.D. x 1" O.D., Steel	
9	Mach. Bolt, 3/8"-16 x 3 1/2" Lg., Sq. Hd., Sq. Nut and Plain Washer, Steel	
10	Mach. Bolt, 3/8"-16 x 5 1/4" Lg., Sq. Hd., Sq. Nut and Plain Washer, Steel	
11	Cotter Pin, 1/16" x 3/4" Lg., Steel	
12	Reducer, 3/4" x 1/2", Aluminum	
13	Pipe Nipple, 3/4" x 12" Lg. T.B.E., Aluminum	
14	Pipe, 1/2" x 4 1/2" Lg. T.O.E., Aluminum	
15	Pipe, 1/4" x 2'5" Lg. Aluminum	3562-320

Plates No. G240 to No. G252

Replacement Parts for

Model 10

Highway Crossing Signal

Equipped with Type 3562 or Type 3563 Mechanism

(Manufacture Discontinued)

See Section G, Part No. 5

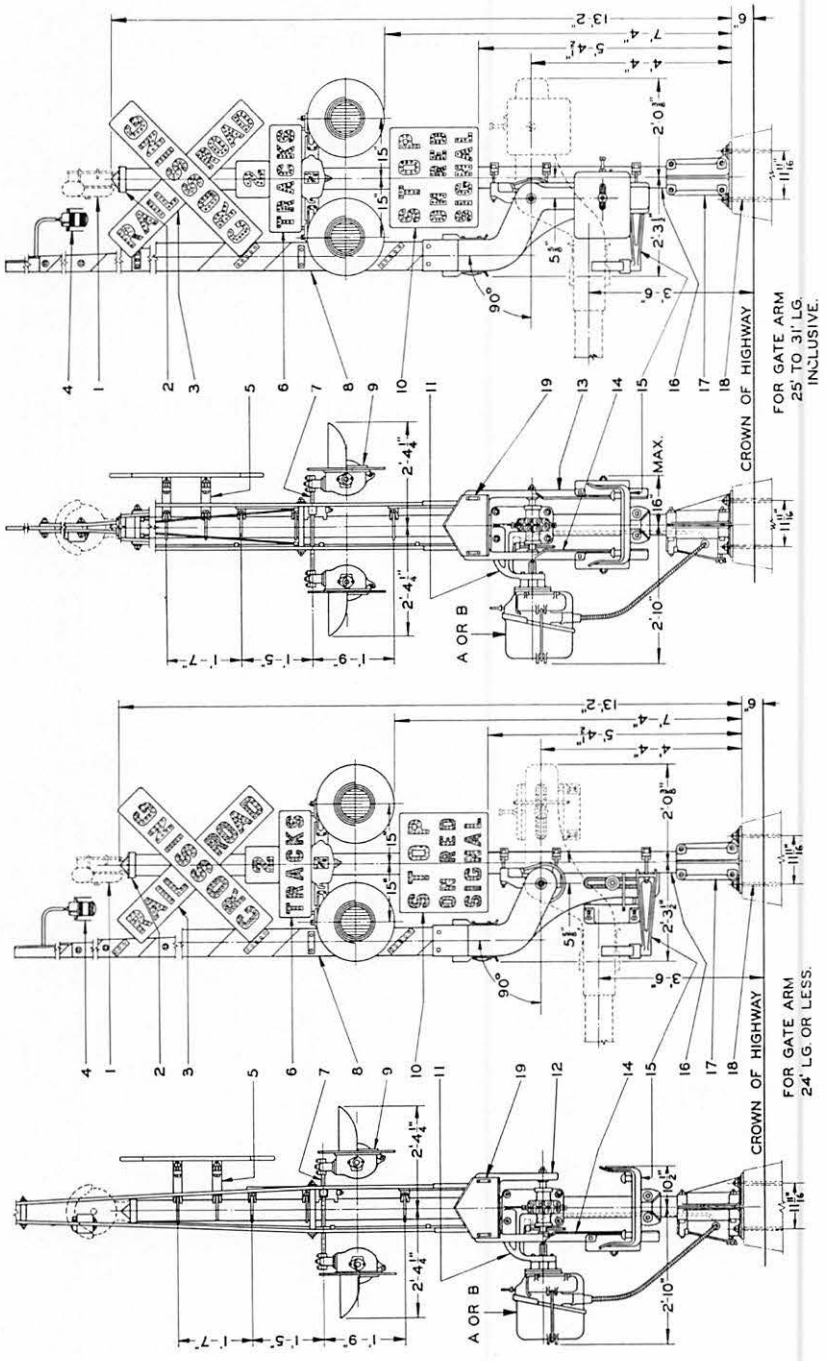
For Mechanism Replacement Parts

Detail Parts for Model 10 Highway Crossing Signal

FLASHING LIGHT AND AUTOMATIC GATE ASSEMBLIES

Equipped with Type 3562 or Type 3563 Mechanisms
(Manufacture Discontinued)

REPLACEMENT PARTS



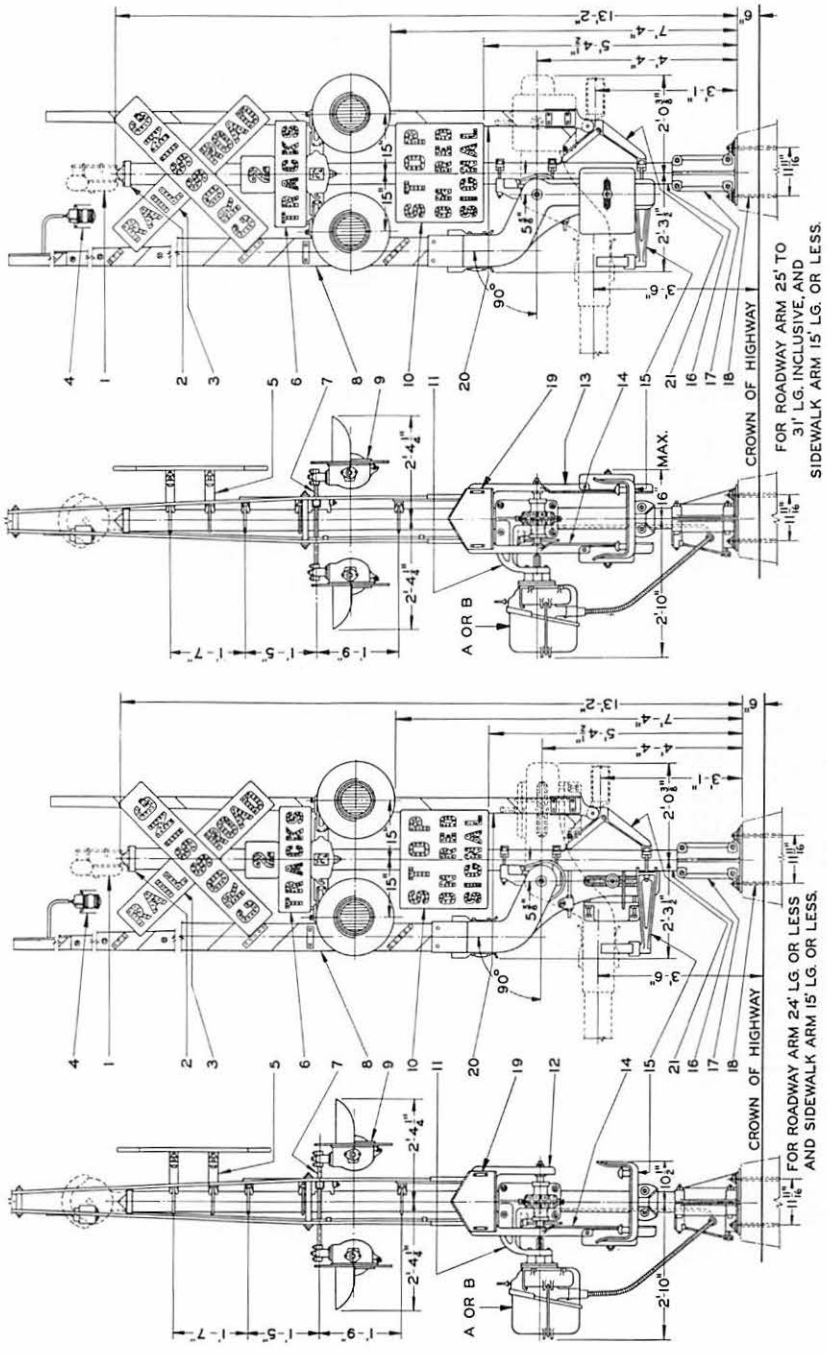
For Ordering Reference Data, See Pages 58 and 59.

Detail Parts for Model 10 Highway Crossing Signal

FLASHING LIGHT AND AUTOMATIC GATE ASSEMBLIES

Equipped with Type 3562 or Type 3563 Mechanisms
(Manufacture Discontinued)

REPLACEMENT PARTS


TRACKS
TRAIN SIGNAL
CROWN OF HIGHWAY
FOR ROADWAY ARM 25' TO 31' LG. INCLUSIVE, AND SIDEWALK ARM 15' LG. OR LESS.
FOR ROADWAY ARM 24' LG. OR LESS AND SIDEWALK ARM 15' LG. OR LESS.
A OR B
MAX.

For Ordering Reference Data, See Pages 58 and 59.

WESTERN RAILROAD SUPPLY COMPANY

Detail Parts for Model 10 Highway Crossing Signal

FLASHING LIGHT AND AUTOMATIC GATE ASSEMBLIES

Equipped with Type 3562 or Type 3563 Mechanisms
(Manufacture Discontinued)

REPLACEMENT PARTS

ORDERING REFERENCE

Specify Plate G240, Reference Number, Description and Piece Number

Ref. No.	Description	Piece No.
A	Crossing Gate Mechanism, 90° Operation, Gravity Down (For Details see Sec. G, Part 5)	3562-21GL-90
B	Crossing Gate Mechanism, 90° Operation, Power Down (For Details see Sec. G, Part 5)	3563-41GL-90
1	Crossing Bell for 5″ I.D. Pipe (For Details see Pl. B5)	222FR
2	Pinnacle for 5″ I.D. Pipe	110-8
3	Railroad Crossing Sign, Reflector Type, Vitreous Enamel, for 5″ I.D. Pipe (For Details see Pl. H25)	3380-3A
3A	Railroad Crossing Sign, Reflector Type, Synthetic Enamel, for 5″ I.D. Pipe (For Details see Pl. H25)	3380-4A
3B	Railroad Crossing Sign, Reflector Type, Synthetic Enamel, White Letters on Black Background, for 5″ I.D. Pipe (for Details see Pl. H25)	3380-204A
3C	Railroad Crossing Sign, Reflector Type, Vitreous Enamel, with Plain Embossed Letters on Back, for 5″ I.D. Pipe	3380-3AE
3D	Railroad Crossing Sign, Cast Iron Type, for 5″ I.D. Pipe (For Details see Pl. H10)	3320-115
3E	Railway Crossing Sign, Cast Iron Type, for 5″ I.D. Pipe	3250-115
4	Gate Light, Fresnel Lens Type (For Details see Pl. G209)	1585
4A	Gate Light, Two-Way Indication Type (For Details see Pl. G208)	1573-50
5	Extension Bracket (For Details see Pl. G222)	3366-40
6	"Number of Tracks" Sign, Reflector Type, Vitreous Enamel, for 5″ I.D. Pipe, Specify Numeral (For Details see Pl. H30)	3368-3A
6A	"Number of Tracks" Sign, Reflector Type, Synthetic Enamel, for 5″ I.D. Pipe, Specify Numeral (For Details see Pl. H30)	3368-4A
6B	"Number of Tracks" Sign, Cast Iron Type, for 5″ I.D. Pipe, Specify Numeral (For Details see Pl. H16)	16442-15
7	Junction Box Cross Arm Assembly for Types 950-201 and HC-81 Lights (For Details see Pl. G252)	950-52
7A	Junction Box Cross Arm Assembly for Type XC Lights (For Details see Pl. G252)	950-52G
8	Roadway Arm Complete, Wired for Three Gate Lights, Less Gate Lights (For Details see Pl. G242)	3562-34L
8A	Roadway Arm Complete, Less Wiring, Gate Lights and Reflector Buttons (For Details see Pl. G242)	3562-60

Detail Parts for Model 10 Highway Crossing Signal

FLASHING LIGHT AND AUTOMATIC GATE ASSEMBLIES

Equipped with Type 3562 or Type 3563 Mechanisms
(Manufacture Discontinued)

REPLACEMENT PARTS
(Continued)

ORDERING REFERENCE
Specify Plate G240, Reference Number, Description and Piece Number

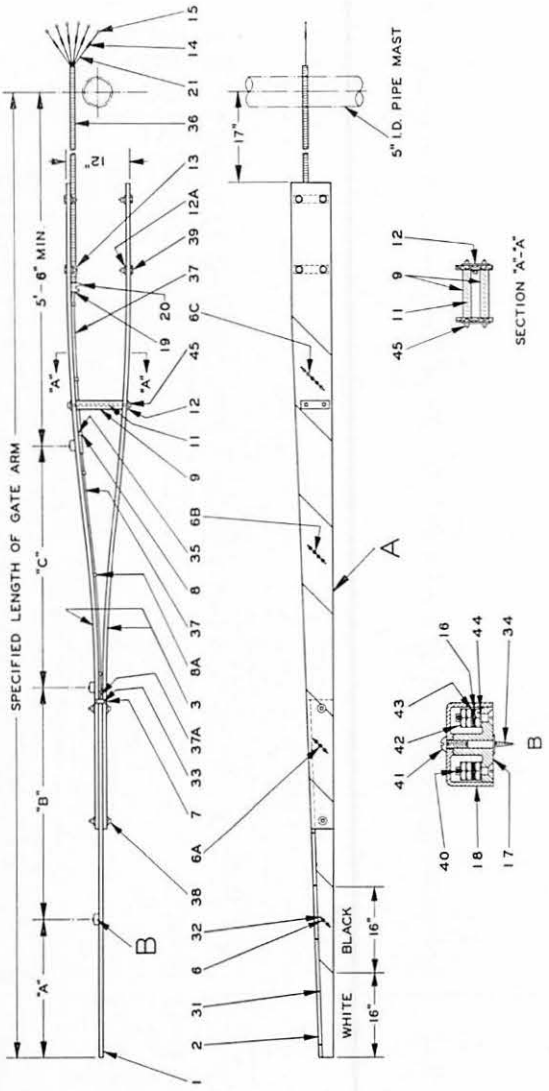
Ref. No.	Description	Piece No.
9	Flashing Light Unit with 30° Horizontal Spread, 15° Down Deflecting Roundel Unless Otherwise Specified (For Details see Plate D370). Other Roundels Available are Listed Below.	950–201
9A	Flashing Light Unit with 30° Horizontal Spread, 15° Down Deflecting Roundel Unless Otherwise Specified. (For Details see US&SCo. Cat. Plate K159). Other Roundels Available are Listed Below	HC–81
9B	Flashing Light Unit with 30° Spreadlite Roundel Unless Otherwise Specified. (For Details see GRSCo. Cat. Plate H2916 and H2918). Other Roundels Available are Listed Below	XC
10	"Stop On Red Signal" Sign, Vitreous Enamel, for 5″ I.D. Pipe (For Details see Pl. H30)	3366–3A
10A	"Stop On Red Signal" Sign, Synthetic Enamel, for 5″ I.D. Pipe (For Details see Pl. H30)	3366–4A
11	Double Bearing Assembly for Gravity Down Type Mechanism (For Details see Sec. G, Part 5)	3562–40A
11A	Double Bearing Assembly for Power Down Type Mechanism (For Details see Sec. G, Part 5)	3562–40AX
12	Gate Support Arm (For Details see Plate G248)	3562–101
13	Gate and Counterweight Arm Assembly (For Details see Pl. G244)	3562–102L
14	Gate and Counterweight Arm Assembly (For Details see Pl. G244)	3562–103R
14A	Gate and Counterweight Arm Assembly (Required when Sidewalk Arm is Used) (For Details see Pl. G244)	3562–103RX
15	Stop Bracket Assembly (For Details see Pl. G250)	3562–43A
16	Pipe Mast, 5″ I.D. x 13′0″ Lg	715–35
17	Junction Box Clamp Type Base (For Details see Pl. G224)	2149–11B
18	Anchor Bolts, 1″ x 36″ Long	11079
19	Gate Arm Support (For Details see Pl. G248)	3562–205X
20	Sidewalk Arm Complete (Less Wiring) (For Details see Pl. G243)	3563–60SW
20A	Sidewalk Arm Complete (Wired for One Gate Light) (For Details see Pl. G243)	3563–34SW
21	Sidewalk Arm Attachment Assembly, Complete (For Details see Pl. G246)	3562–240

Note: Roundels Available for Flashing Light Units are:
CL-17, 30° Horizontal Spread.
5319, 160° Horizontal Spread, 12° Down Deflection.
5321, 20° Deflecting.
5323, 30° Horizontal Spread, 15° Down Deflection.
5327, 20° Horizontal Spread, 32° Down Deflection.
5332, 70° Horizontal Spread.
5333, Diffusion-deflection Type, With Horizontal and Downward Spread.

Roadway Arms 15' to 19' Long For Model 10 Signals

ASSEMBLIES AND REPLACEMENT PARTS

For Signal Assemblies Shown on Plate G240

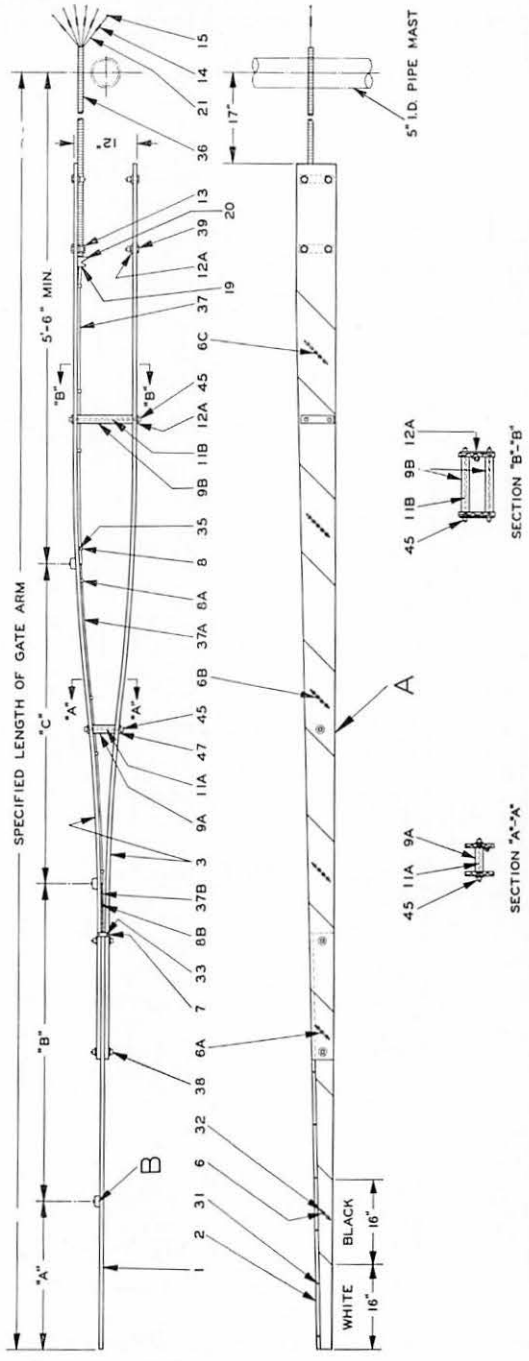


For Ordering Reference Data, See Pages 64 to 66.

Roadway Arms 20' to 25' Long For Model 10 Signals

ASSEMBLIES AND REPLACEMENT PARTS

For Signal Assemblies Shown on Plate G240



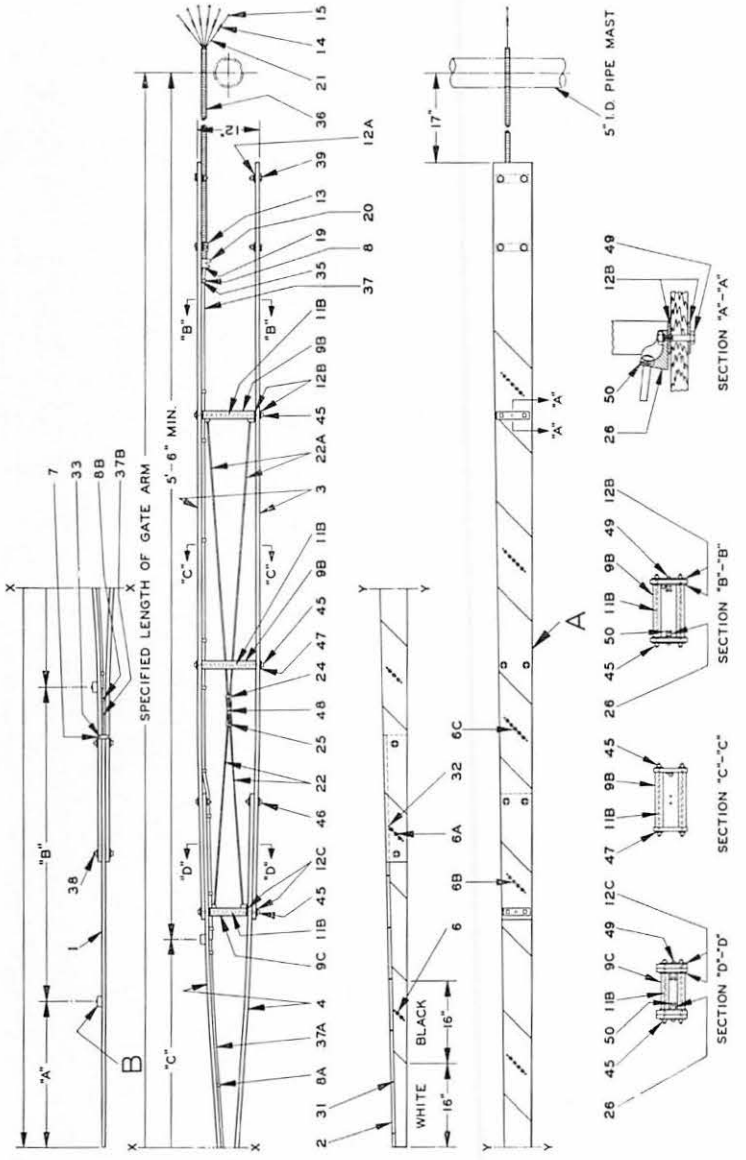
For Ordering Reference Data, See Pages 64 to 66.

WESTERN RAILROAD SUPPLY COMPANY

Roadway Arms 26' to 31' Long For Model 10 Signals

ASSEMBLIES AND REPLACEMENT PARTS

For Signal Assemblies Shown on Plate G240



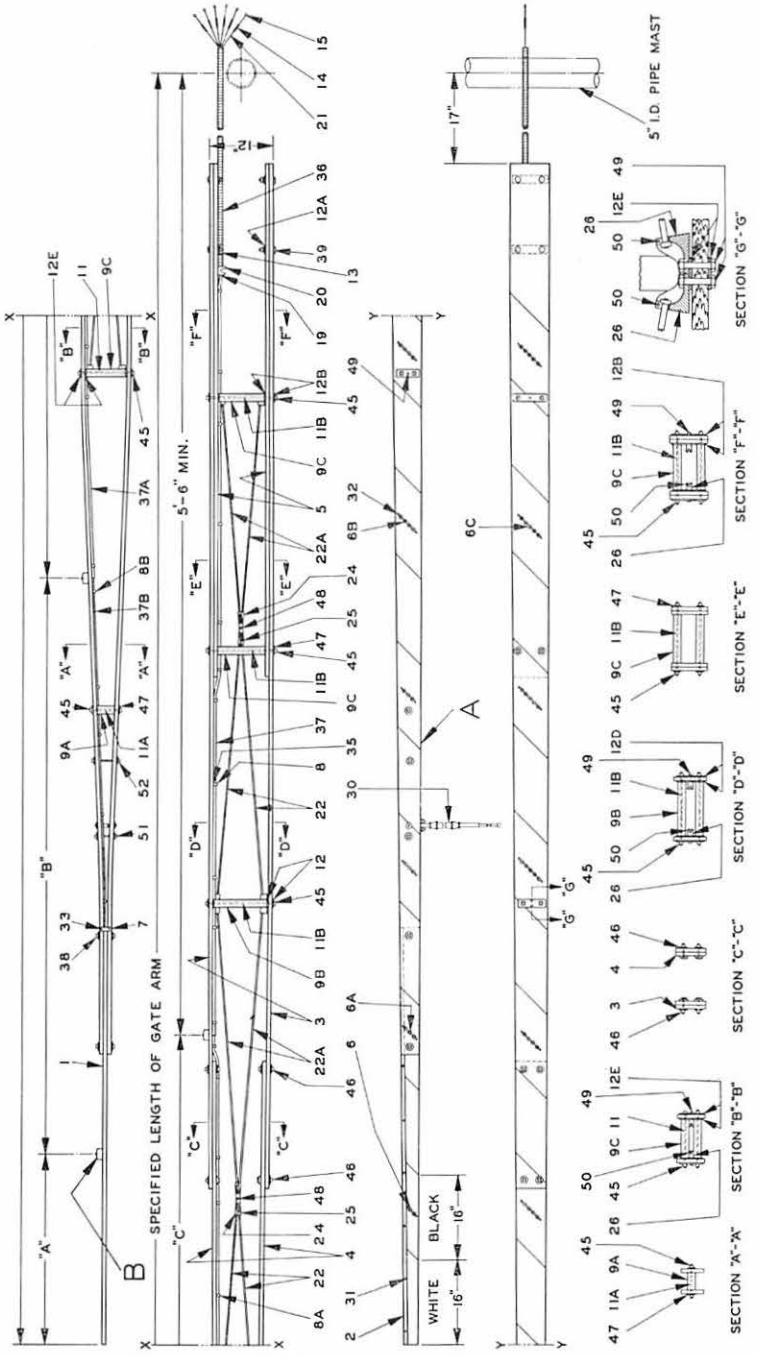
For Ordering Reference Data, See Pages 64 to 66.

WESTERN RAILROAD SUPPLY COMPANY

Roadway Arms 32' to 39' Long For Model 10 Signals

ASSEMBLIES AND REPLACEMENT PARTS

For Signal Assemblies Shown on Plate G240



For Ordering Reference Data, See Pages 64 to 66.

Roadway Arms
For Model 10 Signals

ASSEMBLIES AND REPLACEMENT PARTS
For Signal Assemblies Shown on Plate G240

ORDERING REFERENCE
Specify Plate G242, Reference Number, Description and Piece Number

Ref. No.	Description	Piece No.
A	Assembly of Roadway Arm Complete with Wiring and Reflector Buttons. (Less Gate Lights) (Specify Length of Roadway Arm and Dimensions "A", "B", "C".)	3562-34L
A-1	Assembly of Roadway Arm Complete, Less Wiring, Reflector Buttons and Reenforcing Channel. (Specify Length of Roadway Arm)	3562-60
B	Assembly of Terminal Block Complete	3561-196
1	Tongue (See Table, Page 66)	
2	Reenforcing Channel (See Table, Page 66)	
3	Baseboard (See Table, Page 66)	
4	Sideboard (See Table, Page 66)	
5	Reenforcing Board (See Table, Page 66)	
6	Crystal Reflector Buttons (2 Button Chain)	3562-170-2
6A	Crystal Reflector Buttons (3 Button Chain)	3562-170-3
6B	Crystal Reflector Buttons (4 Button Chain)	3562-170-4
6C	Crystal Reflector Buttons (5 Button Chain)	3562-170-5
7	Channel Retaining Strip	3561-154
8	Clip for 1/2" Loom	3562-96
8A	Clip for 3/8" Loom	3562-95
8B	Clip for 7/32" Loom	3562-94
9	Spacer Block, 9" Lg.	3562-93
9A	Spacer Block, 4" Lg.	3562-76
9B	Spacer Block, 10 1/8" Lg.	3562-75
9C	Spacer Block, 8 1/2" Lg.	3562-90R
11	Through Stud, 11 3/8" Lg.	3562-66G
11A	Through Stud, 6 1/2" Lg.	3562-66D
11B	Through Stud, 12 3/4" Lg.	3562-66E
12	Washer Plate	3562-72
12A	Washer Plate	3562-71
12B	Washer Plate	3562-71A
12C	Washer Plate	3562-72A
12D	Washer Plate	3562-72B
12E	Washer Plate	3562-82A
13	Hanger for Flexible Conduit	3565-153
14	Marking Tag	5600-6

Roadway Arms
For Model 10 Signals

ASSEMBLIES AND REPLACEMENT PARTS

For Signal Assemblies Shown on Plate G240
(Continued)

ORDERING REFERENCE

Specify Plate G242, Reference Number, Description and Piece Number

Ref. No.	Description	Piece No.
15	Wire Terminal	31906
16	Wire Terminal	31903
17	Terminal Block Only (For Ref. B)	3561-197A
18	Terminal Block Cover Only (For Ref. B)	3561-198
19	Internal Bushing	3565-197
20	Conduit Clamp	3565-194A
21	Wire No. 14, 2/64, 30% S. C. Flex S. B., W. P. Finish, 19/.0147 (Specify Length)	90913
22	Tie Rod and Nut, 41½″ Long, Right Hand Thread	3562-63E
22A	Tie Rod and Nut, 48″ Long, Left Hand Thread	3562-63F
24	Turnbuckle	3562-67
25	Turnbuckle	3562-68
26	Tie Rod Clip	3562-70A
30	Buffer Leg Assembly (For Details see Pl. G238)	3562-316
31	Wood Screw, No. 6 x ⅝″ Lg., Rd. Hd. Brass	
32	Wood Screw, No. 6 x ½″ Lg., Theft Resisting	
33	Wood Screw, No. 8 x ⅝″ Lg., Rd. Hd. Brass	
34	Wood Screw, No. 6 x ¾″ Lg., Fl. Hd. Brass	
35	Wood Screw, No. 12 x ¾″ Lg. Rd. Hd. Brass	
36	Penflex Metallic Tubing ¾″ x 54″ Long	
37	½″ Duroduct Loom (Specify Length)	
37A	⅜″ Duroduct Loom (Specify Length)	
37B	7/32″ Duroduct Loom (Specify Length)	
38	Mach. Bolt, ⅜″—16 x 3″ Lg. Sq. Hd. Steel, Hex. Nut and Two Plain Washers	
39	Mach. Bolt ½″—13 x 2″ Lg. Hex. Hd., Steel, Hex. Nut and Lockwasher	
45	Hex. Nut, ⅜″—16, Steel	
46	Mach. Bolt, ⅜″—16 x 2¼″ Lg. Sq. Hd. Steel, Hex. Nut and Two Plain Washers	
47	Washer 7/16″ I.D. x 1½″ O. D. Plain Steel	
48	Cap Screw ¼″—20 x 1¼″ Lg. Hex. Hd. Steel	
49	Mach. Bolt 5/16″—18 x 1¾″ Lg. Hex. Hd. Steel, and Hex. Nut	
50	Cotter Pin ⅛″ x 1½″ Lg. Steel	
51	Mach. Bolt, ⅜″—16 x 3½″ Lg. Sq. Hd. Steel, Hex. Nut and Two Plain Washers	
52	Mach. Bolt, ⅜″—16 x 5¼″ Lg. Sq. Hd. Steel, Hex. Nut and Two Plain Washers	

Ordering Reference Table

Specified Length of Gate Arm	Ref. 1 Tongue	Ref. 2 Reenforcing Channel	Ref. 3 Base Board	Ref. 4 Side Board	Ref. 5 Reenforcing Board
15 Ft.	3561–64B	3562–52	3562–51–10	.....	.....
16 Ft.	3561–64	3562–52A	3562–51–10	.....	.....
17 Ft.	3561–64	3562–52B	3562–51–10	.....	.....
18 Ft.	3561–64C	3562–52C	3562–51–10	.....	.....
19 Ft.	3561–64	3562–52B	3562–51–12	.....	.....
20 Ft.	3561–64	3562–52A	3562–51–14	.....	.....
21 Ft.	3561–64	3562–52B	3562–51–14	.....	.....
22 Ft.	3561–64C	3562–52C	3562–51–14	.....	.....
23 Ft.	3561–64	3562–52B	3562–51–16	.....	.....
24 Ft.	3561–64C	3562–52C	3562–51–16	.....	.....
25 Ft.	3561–63	3562–52D	3562–51–16	.....	.....
26 Ft.	3561–64	3562–52A	3562–53–12	3562–54–10	.....
27 Ft.	3561–64	3562–52B	3562–53–12	3562–54–10	.....
28 Ft.	3561–64C	3562–52C	3562–53–12	3562–54–10	.....
29 Ft.	3561–63	3562–52D	3562–53–12	3562–54–10	.....
30 Ft.	3561–64C	3562–52C	3562–53–12A	3562–54–12	.....
31 Ft.	3561–63	3562–52D	3562–53–12A	3562–54–12	.....
32 Ft.	3561–64	3562–52A	3562–53–16	3562–54–12A	3562–53–8
33 Ft.	3561–64	3562–52B	3562–53–16	3562–54–12A	3562–53–8
34 Ft.	3561–64C	3562–52C	3562–53–16	3562–54–12A	3562–53–8
35 Ft.	3561–63	3562–52D	3562–53–16	3562–54–12A	3562–53–8
36 Ft.	3561–64C	3562–52A	3562–53–16A	3562–54–16	3562–53–8
37 Ft.	3561–63	3562–52B	3562–53–16A	3562–54–16	3562–53–8
38 Ft.	3561–64C	3562–52C	3562–53–16A	3562–54–16	3562–53–8
39 Ft.	3561–63	3562–52D	3562–53–16A	3562–54–16	3562–53–8

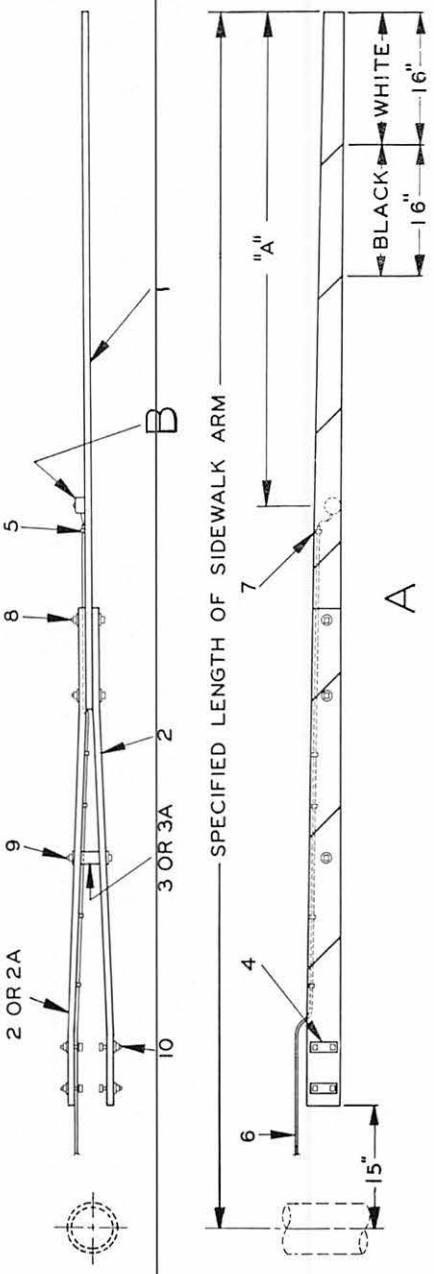
NOTE: WHEN ORDERING BASE BOARDS, REF. 3, OR SIDE BOARDS, REF. 4, SPECIFY WHETHER FOR USE ON "FIELD" SIDE OR "TRACK" SIDE OF GATE ARM, AND LENGTH OF GATE ARM ON WHICH BOARD IS TO BE USED.

MEMORANDA

WESTERN RAILROAD SUPPLY COMPANY

Sidewalk Arms
For Model 10 Signals
Type 3563-34SW Type 3563-60SW

ASSEMBLIES AND REPLACEMENT PARTS
For Signal Assemblies Shown on Plate G240



Sidewalk Arms
For Model 10 Signals

ASSEMBLIES AND REPLACEMENT PARTS
For Signal Assemblies Shown on Plate G240

ORDERING REFERENCE
Specify Plate G243, Reference Number, Description and Piece Number

Ref. No.	Description	Piece No.
A	Assembly of Sidewalk Arm Complete with Wiring (Less Light) (Specify Length of Sidewalk Arm and Dimension "A")	3563-34SW
A-1	Assembly of Sidewalk Arm Complete (Less Wiring and Light) (Specify Length of Sidewalk Arm)	3563-60SW
B	Assembly of Terminal Block (See Pl. G230 for Details)	3561-196
1	Tongue (See Table)	
2	Base Board (See Table)	
2A	Base Board (For Type 3563-34SW Sidewalk Arm Only) (See Table)	
3	Spacer Block (For Type 3563-34SW Sidewalk Arm)	3565-150A
3A	Spacer Block (For Type 3563-60SW Sidewalk Arm)	3565-150
4	Washer Plate	3565-148
5	Clip	3562-95
6	#18-2 Conductor Neoprene Covered Type "S" Cord (Specify Length)	
7	Wood Screw, #10 x ¾", Brass	
8	Mach. Bolt, ⅜"-16 x 3¼" Lg., Sq. Hd., Hex. Nut and Plain Washer	
9	Mach. Bolt, ⅜"-16 x 4½" Lg., Sq. Hd., Hex. Nut and Plain Washer	
10	Mach. Bolt, ½"-13 x 1¾" Lg. Hex. Hd., Hex. Nut and Lock Washer	

Table

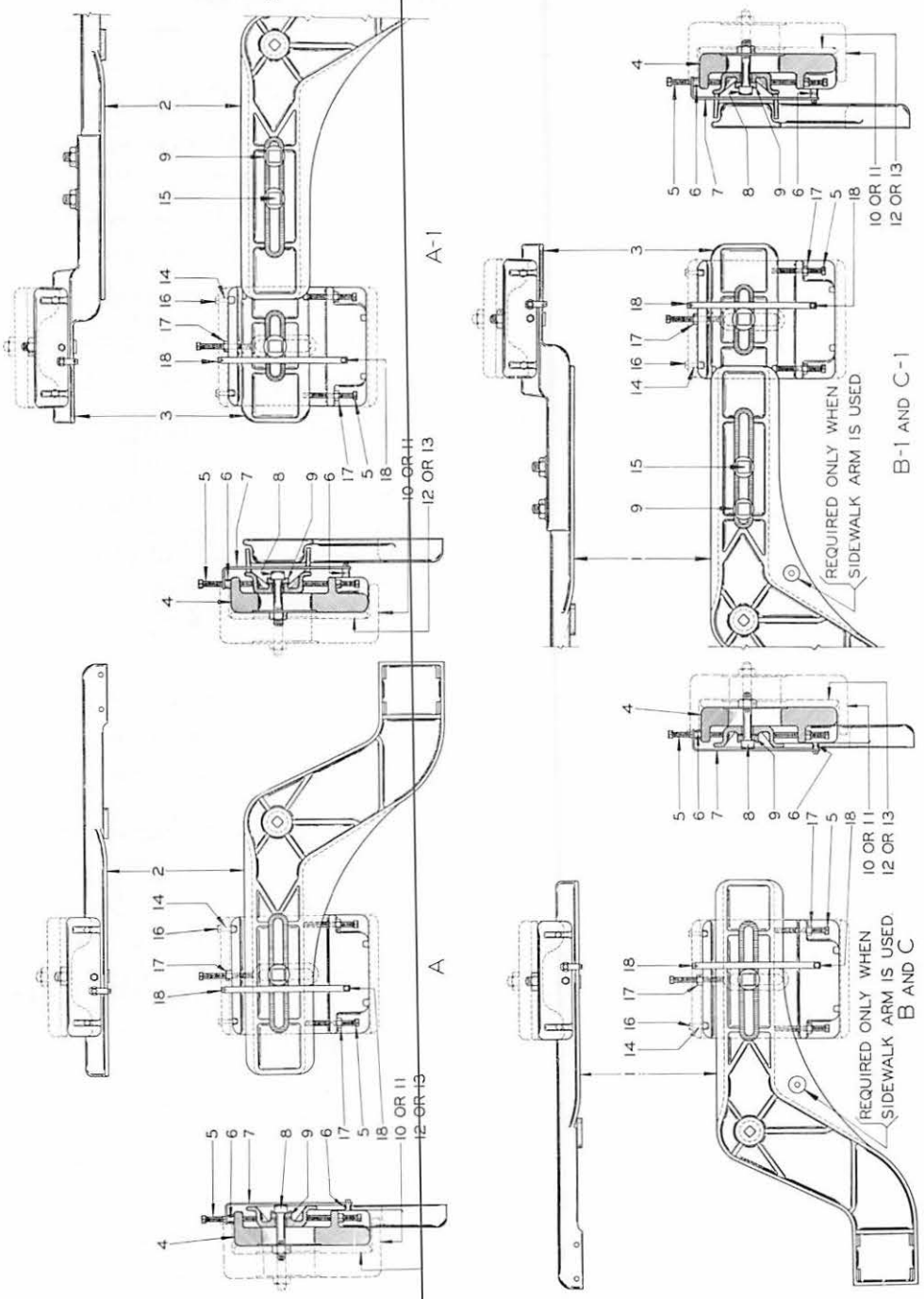
Specified Length of Gate Arm	Ref. No. 1	Ref. No. 2	Ref. No. 2A	Suggested Values for Dimension "A"
8'-0"	3565-142-3	3565-141	3565-141A	3'-2"
8'-6"	3565-142-3A	3565-141	3565-141A	3'-5"
9'-0"	3565-142-4	3565-141	3565-141A	3'-8"
9'-6"	3565-142-4A	3565-141	3565-141A	3'-11"
10'-0"	3565-142-5	3565-141	3565-141A	4'-2"
10'-6"	3565-142-5A	3565-141	3565-141A	4'-5"
11'-0"	3565-142-6	3565-141	3565-141A	4'-8"
11'-6"	3565-142-6A	3565-141	3565-141A	4'-11"
12'-0"	3565-142-7	3565-141	3565-141A	5'-2"
12'-6"	3565-142-4A	3565-155	3565-155A	5'-5"
13'-0"	3565-142-5	3565-155	3565-155A	5'-8"
13'-6"	3565-142-5A	3565-155	3565-155A	5'-11"
14'-0"	3565-142-6	3565-155	3565-155A	6'-2"
14'-6"	3565-142-6A	3565-155	3565-155A	6'-5"
15'-0"	3565-142-7	3565-155	3565-155A	6'-8"

WESTERN RAILROAD SUPPLY COMPANY

Gate and Counterweight Arm For Model 10 Signals

ASSEMBLIES AND REPLACEMENT PARTS

For Signal Assemblies Shown on Plate G240



WESTERN RAILROAD SUPPLY COMPANY

Gate and Counterweight Arm For Model 10 Signals

ASSEMBLIES AND REPLACEMENT PARTS

For Signal Assemblies Shown on Plate G240

ORDERING REFERENCE

Specify Plate G244, Reference Number, Description and Piece Number

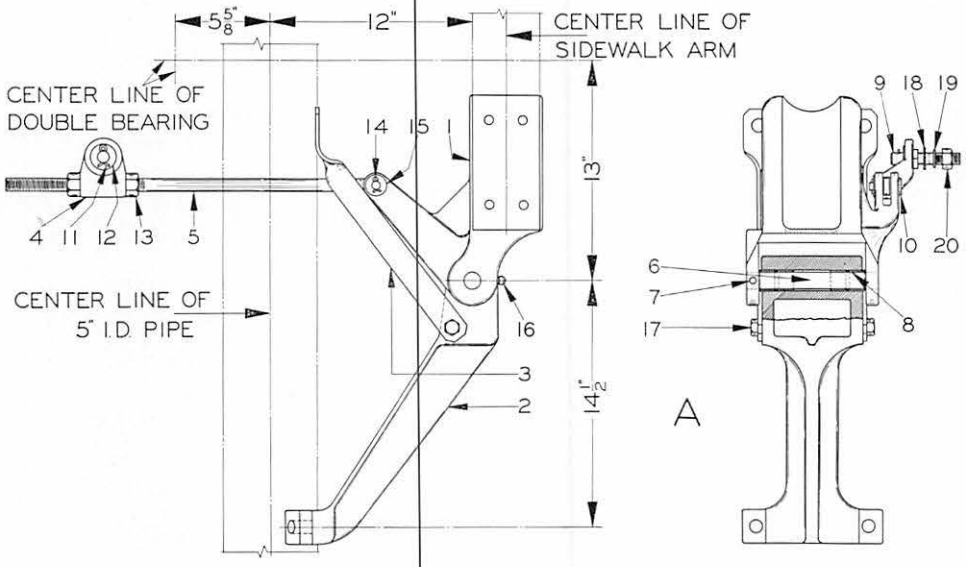
Ref. No.	Description	Piece No.
A	Gate and Counterweight Arm Assembly (For Roadway Arms 26′ to 31′ Lg. Inclusive) (Specify Length of Arm)	3562-102L
A-1	Gate and Counterweight Arm Assembly (For Roadway Arms 32′ to 39′ Lg. Inclusive) (Specify Length of Arm)	3562-102L
B	Gate and Counterweight Arm Assembly (For Roadway Arms 15′ to 31′ Lg. Inclusive) (Specify Length of Arm)	3562-103R
B-1	Gate and Counterweight Arm Assembly (For Roadway Arms 32′ to 39′ Lg. Inclusive) (Specify Length of Arm)	3562-103R
C	Gate and Counterweight Arm Assembly (For Roadway Arms 15′ to 31′ Lg. Inclusive) (Specify Length of Arm) (Required when Sidewalk Arm is Used)	3562-103RX
C-1	Gate and Counterweight Arm Assembly (For Roadway Arms 32′ to 39′ Lg. Inclusive) (Specify Length of Arm) (Required when Sidewalk Arm is Used)	3562-103RX
1	Right Hand Gate and Counterweight Arm Only	3562-103
1A	Right Hand Gate and Counterweight Arm Only (Required when Sidewalk Arm is Used)	3562-103X
2	Left Hand Gate and Counterweight Arm Only	3562-102
3	Counterweight Extension Arm	3562-174
4	Counterweight, 160 Lb.	3562-226
5	Dog Pt. Steel Set Screw, 5/8″—11 x 6″ Lg., Sq. Hd.	3562-211
6	Sleeve	3562-232
7	Retaining Strap	3562-233
8	Counterweight Mounting Bolt, 6″ Lg., Hex. Nut, & Plain Washer	3562-182-6
8A	Counterweight Mounting Bolt, 7″ Lg., Hex. Nut, & Plain Washer	3562-182-7
8B	Counterweight Mounting Bolt, 8″ Lg., Hex. Nut, & Plain Washer	3562-182-8
8C	Counterweight Mounting Bolt, 9″ Lg., Hex. Nut, & Plain Washer	3562-182-9
8D	Counterweight Mounting Bolt, 10″ Lg., Hex. Nut, & Plain Washer	3562-182-10
8E	Counterweight Mounting Bolt, 11″ Lg., Hex. Nut, & Plain Washer	3562-182-11
8F	Counterweight Mounting Bolt, 12″ Lg., Hex. Nut, & Plain Washer	3562-182-12
9	Clamp Washer	3565-104
10	Counterweight, 100 Lb.	3562-229
11	Counterweight, 200 Lb.	3562-230
12	Counterweight, 25 Lb.	3562-228
13	Counterweight, 50 Lb.	3562-227
14	Retaining Pin	3562-242
15	Mach. Bolt, 1″—8 x 3½″ Lg. Sq. Hd., Steel, Hex. Nut and Washer	
16	Hex. Nut, 3/8″—16	
17	Hex. Nut, 5/8″—11	
18	Cap Screw, 3/8″—16 x 1¾″ Lg. Hex. Hd., Steel	

WESTERN RAILROAD SUPPLY COMPANY

Sidewalk Arm Attachment For Model 10 Signals

ASSEMBLIES AND REPLACEMENT PARTS

For Signal Assemblies Shown on Plate G240



ORDERING REFERENCE

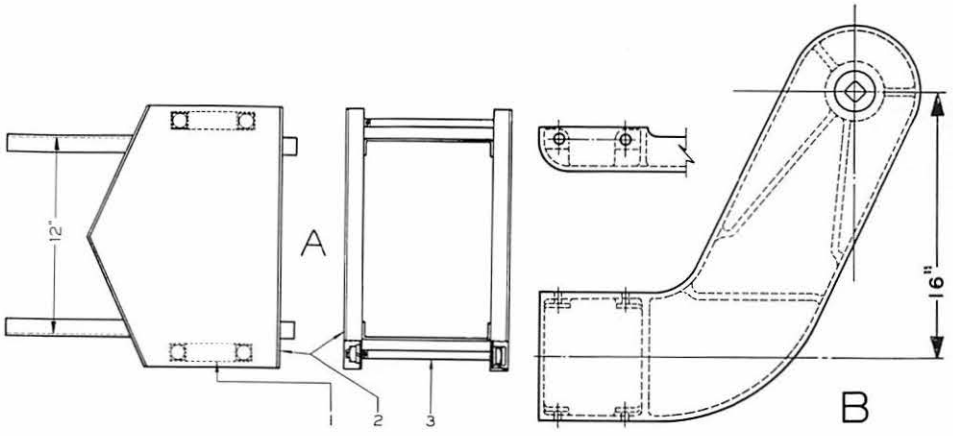
Specify Plate G246, Reference Number, Description and Piece Number

Ref. No.	Description	Piece No.
A	Sidewalk Arm Attachment Assembly Complete	3562–240
1	Support for Sidewalk Arm	3562–355
2	Knee Brace for Sidewalk Arm	3562–354
3	Brace for Sidewalk Arm	3562–357
4	Toggle	3562–352
5	Connecting Rod	3562–358
6	Shaft	3562–356
7	#5 Tapered Pin	
8	Bushing	3563–380
9	Stud	3562–351
10	Connecting Rod Pin	3562–359
11	Cotter Pin, 1/4" x 2" Lg.	
12	Plain Steel Washer, 3/4"	
13	Steel Hex. Nut, 3/4"—10	
14	Cotter Pin, 1/8" x 1" Lg.	
15	Plain Steel Washer, 1/2"	
16	#1729 Alemite (Zerk) Grease Fitting	
17	Mach. Bolt, 1/2"—13 x 1" Lg., Hex. Hd., Steel	
18	Plain Steel Washer, 5/8"	
19	Steel Lock Washer, 5/8"	
20	Hex. Nut, 5/8"—11	

WESTERN RAILROAD SUPPLY COMPANY

Gate Arm Support and Gate Support Arm For Model 10 Signals

ASSEMBLIES AND REPLACEMENT PARTS
For Signal Assemblies Shown on Plate G240



ORDERING REFERENCE

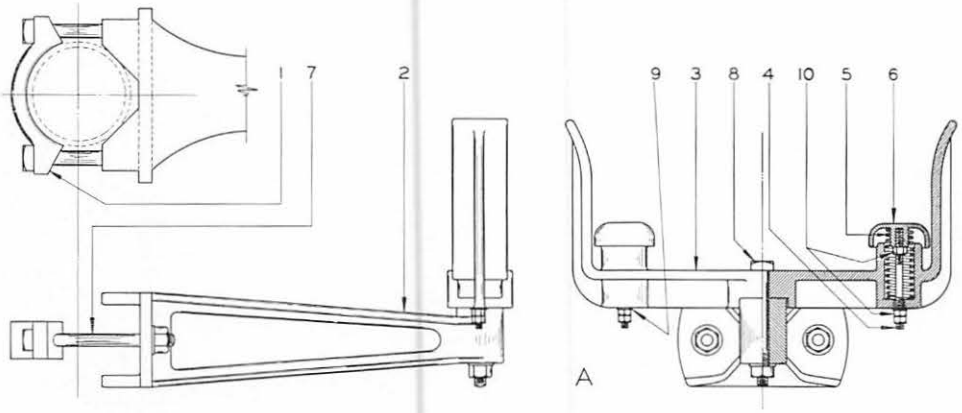
Specify Plate G248, Reference Number, Description and Piece Number

Ref. No.	Description	Piece No.
A	Gate Arm Support, Complete	3562-205X
B	Gate Support Arm	3562-101
1	Buffer Plate	3562-55
2	Gate Arm Support, only	3562-205
3	Mach. Bolt, ½"-13 x 9" Lg. Sq. Hd., Steel, Hex. Nut and Lock Washer	

WESTERN RAILROAD SUPPLY COMPANY

Stop Bracket
For Model 10 Signals

ASSEMBLIES AND REPLACEMENT PARTS
For Signal Assemblies Shown on Plate G240



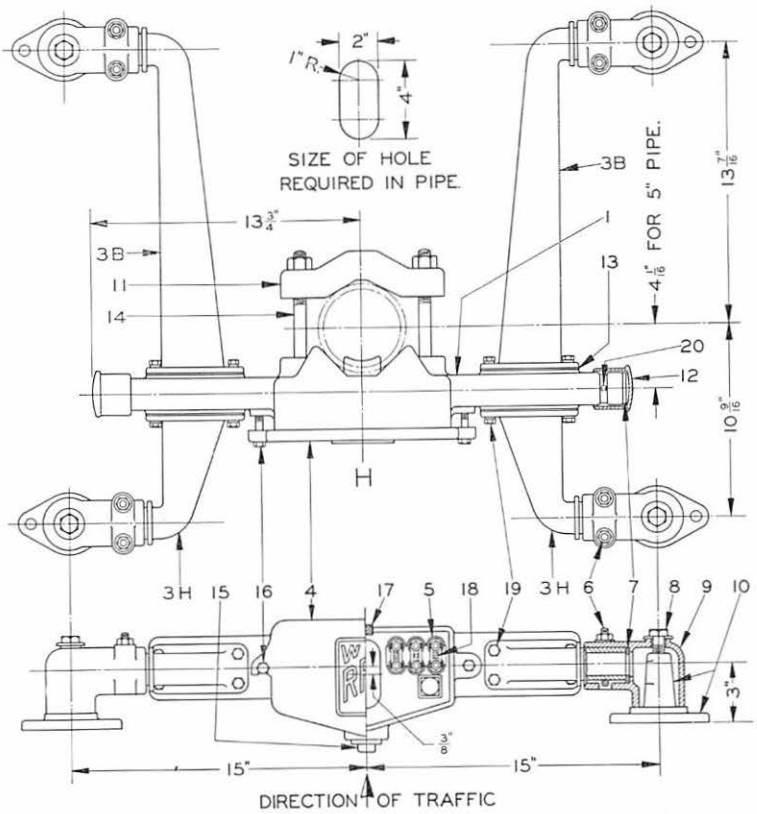
ORDERING REFERENCE
Specify Plate G250, Reference Number, Description and Piece Number

Ref. No.	Description	Piece No.
A	Stop Bracket Assembly, Complete	3562-43A
1	Mounting Clamp for 5" I.D. Pipe	3561-92
2	Arm for Stop Bracket	3561-15
3	Arm Support for Stop Bracket	3562-31
4	Arm Buffer Stud	3562-47
5	Arm Buffer Spring	3562-33
6	Arm Buffer Cap	3562-32
7	Mach. Bolt, ¾"-10 x 7½" Lg., Sq. Hd., Hex. Nut and Plain Steel Washer	
8	Mach. Bolt, ⅝"-11 x 6½" Lg., Sq. Hd., Hex. Nut and Plain Steel Washer	
9	Plain Steel Washer, ⅜"	
10	Steel Hex. Nut, ⅜"-16'	

WESTERN RAILROAD SUPPLY COMPANY

Junction Box Cross Arm For Two Way Indication Type 950-52 Type 950-52G

ASSEMBLIES AND REPLACEMENT PARTS
For Signal Assemblies Shown on Plate G240



ORDERING REFERENCE

Specify Plate G252, Reference Number, Description and Piece Number

Ref. No.	Description	Piece No.
H	Junction Box Cross Arm Assembly for Mounting Four 950-201, or Four HC-81 Light Units For 5" I. D. Pipe Mounting.....	950-52
H-1	Junction Box Cross Arm Assembly, with Adaptor (Ref. J, Page 42), for Mounting Four Type XC Light Units For 5" I. D. Pipe Mounting.....	950-52G

For detail parts, see pages 42 and 43.

MEMORANDA

Plates No. G254 to No. G260

Replacement Parts for

Model 10
Highway Crossing Signal

Equipped with Type 3561 Mechanism

(Manufacture Discontinued)

See Section G, Part No. 3

For Mechanism Replacement Parts

PLATE G254

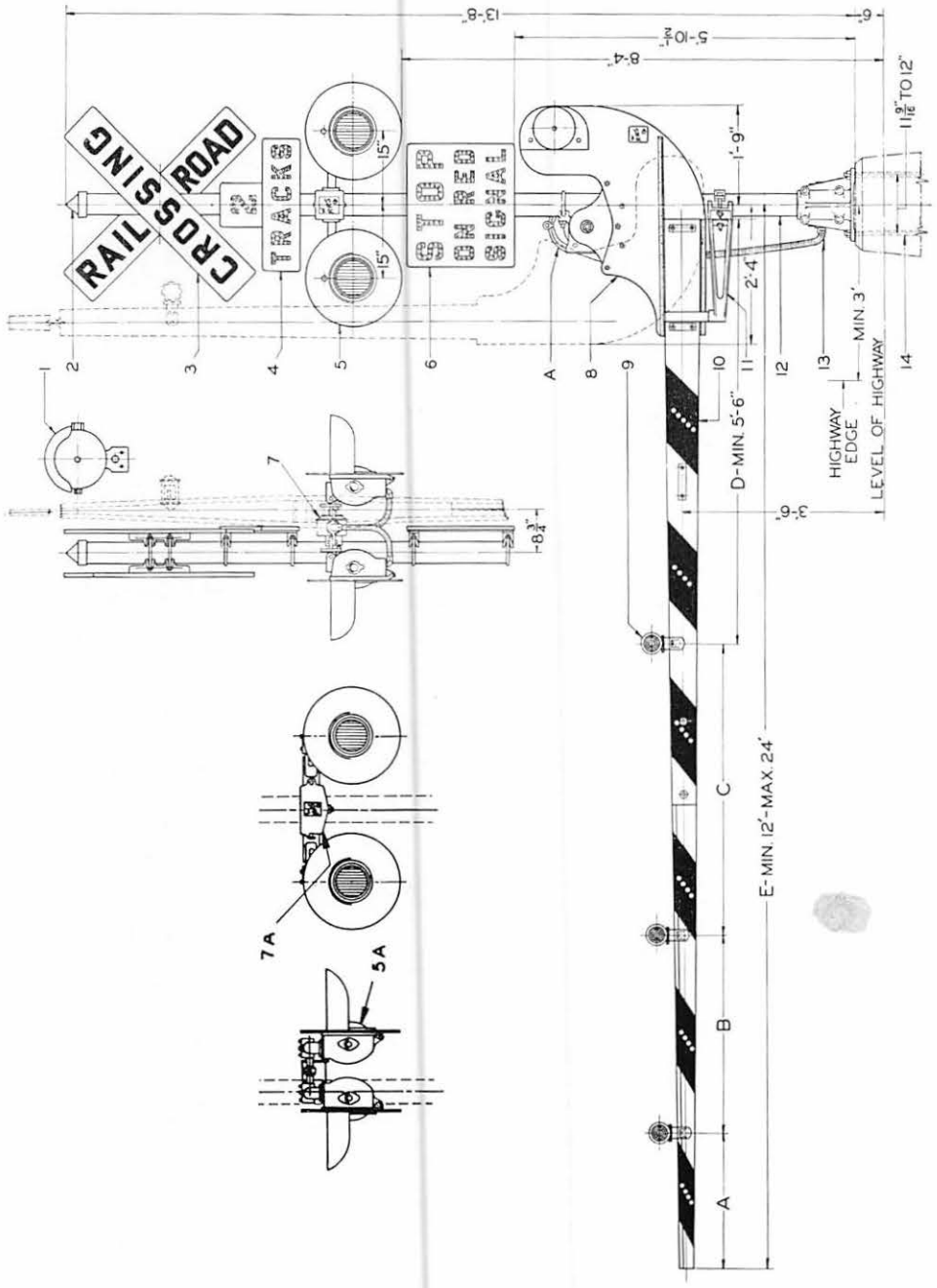
WESTERN RAILROAD SUPPLY COMPANY

Detail Parts for Model 10 Highway Crossing Signal

FLASHING LIGHT AND AUTOMATIC GATE ASSEMBLIES

Equipped with Type 3561 Mechanism
(Manufacture Discontinued)

REPLACEMENT PARTS



WESTERN RAILROAD SUPPLY COMPANY

Detail Parts for Model 10 Highway Crossing Signal

FLASHING LIGHT AND AUTOMATIC GATE ASSEMBLIES

Equipped with Type 3561 Mechanism
(Manufacture Discontinued)

REPLACEMENT PARTS

ORDERING REFERENCE

Specify Plate G254, Reference Number, Description and Piece Number

Ref. No.	Description	Piece No.
A	Left Hand Upper Quadrant, Type 3561-21GL Mechanism Only, (Specify whether for 4″ or 5″ I.D. Pipe Mounting) (For Details see Pl. G514)	3561-21GL
1	Crossing Bell for 4″ I.D. Pipe (For Details see Pl. B5)	222CR
1-A	Crossing Bell for 5″ I.D. Pipe (For Details see Pl. B5)	222FR
2	Pinnacle for 4″ I.D. Pipe	110-6
2-A	Pinnacle for 5″ I.D. Pipe	110-8
3	Railroad Crossing Sign, Cast Iron Type, for 4″ I.D. Pipe (For Details see Pl. H10)	3320-14
3-A	Railroad Crossing Sign, Cast Iron Type, for 5″ I.D. Pipe (For Details see Pl. H10)	3320-15
3-B	Railroad Crossing Sign, Reflector Type, Vitreous Enamel, for 4″ I.D. Pipe (For Details see Pl. H25)	3380-3
3-C	Railroad Crossing Sign Reflector Type, Vitreous Enamel, for 5″ I.D. Pipe (For Details see Pl. H25)	3380-3A
3-D	Railroad Crossing Sign, Reflector Type, Synthetic Enamel, for 4″ I.D. Pipe (For Details see Pl. H25)	3380-4
3-E	Railroad Crossing Sign, Reflector Type, Synthetic Enamel, for 5″ I.D. Pipe (For Details see Pl. H25)	3380-4A
4	"Number of Tracks" Sign, Cast Iron Type, for 4″ I.D. Pipe Specify Numeral, (For Details see Pl. H16)	16442-14
4-A	"Number of Tracks" Sign, Cast Iron Type, for 5″ I.D. Pipe Specify Numeral, (For Details see Pl. H16)	16442-15
4-B	"Number of Tracks" Sign, Reflector Type, Vitreous Enamel for 4″ I.D. Pipe Specify Numeral (For Details see Pl. H30)	3368-3
4-C	"Number of Tracks" Sign, Reflector Type, Vitreous Enamel, for 5″ I.D. Pipe Specify Numeral (For Details see Pl. H30)	3368-3A
4-D	"Number of Tracks" Sign, Reflector Type, Synthetic Enamel for 4″ I.D. Pipe Specify Numeral (For Details see Pl. H30)	3368-4
4-E	"Number of Tracks" Sign, Reflector Type, Synthetic Enamel, for 5″ I.D. Pipe Specify Numeral (For Details see Pl. H30)	3368-4A
5	Flashing Light Unit with 30° Horizontal Spread, 15° Down Deflecting Roundel Unless Otherwise Specified (For Details see Pl. D270). Other Roundels Available are Listed Below.	880-201
5-A	Flashing Light Unit with 30° Horizontal Spread, 15° Down Deflecting Roundel Unless Otherwise Specified (For Details see Pl. D370). Other Roundels Available are Listed Below.	950-201
6	"Stop on Red Signal" Sign, Vitreous Enamel, for 4″ I.D. Pipe (For Details see Pl. H30)	3366-3
6-A	"Stop on Red Signal" Sign, Vitreous Enamel, for 5″ I.D. Pipe (For Detail see Pl. H30)	3366-3A

Detail Parts for Model 10 Highway Crossing Signal

FLASHING LIGHT AND AUTOMATIC GATE ASSEMBLIES

Equipped with Type 3561 Mechanism
(Manufacture Discontinued)

REPLACEMENT PARTS
(Continued)

ORDERING REFERENCE

Specify Plate G254, Reference Number, Description and Piece Number

Ref. No.	Description	Piece No.
6-B	"Stop on Red Signal" Sign, Synthetic Enamel, for 4" I.D. Pipe (For Details see Pl. H30)	3366-4
6-C	"Stop on Red Signal" Sign, Synthetic Enamel, for 5" I.D. Pipe (For Details see Pl. H30)	3366-4A
7	Junction Box Cross Arm Assembly for Type 880-201 Lights (Specify whether 4" I.D. or 5" I.D. Pipe Mounting) (For Details see Pl. D270)	865-5
7-A	Junction Box Cross Arm Assembly for Type 950-201 Lights (Specify whether 4" I.D. or 5" I.D. Pipe Mounting) (For Details see Pl. G220)	950-5
8	Mounting Plate Assembly (Specify Length of Arm) (For Details see Pl. G258)	3561-13L
9	Gate Light, Two-Way Indication Type (For Details see Pl. G208)	1573-50
9-A	Gate Light, Fresnel Lens Type (For Details see Pl. G209)	1585
10	Roadway Arm Complete, Wired for Three Gate Lights, Less Gate Lights (For Details see Pl. G256)	3561-34L
10-A	Roadway Arm Complete, Less Wiring, Gate Lights and Reflector Buttons (For Details see Pl. G256)	3561-60
11	Stop Bracket Assembly for 4" I.D. Pipe (For Details see Pl. G260)	3561-14
11-A	Stop Bracket Assembly for 5" I.D. Pipe (For Details see Pl. G260)	3561-14A
12	Pipe Mast 4" I.D. x 12'10" Lg.	
12-A	Pipe Mast 5" I.D. x 12'10" Lg.	
12-B	Stub Pole Pipe Mast 4" I.D. x 6'0" Lg.	
12-C	Stub Pole Pipe Mast 5" I.D. x 6'0" Lg.	
13	Split Base for 4" I.D. Pipe (For Details see Pl. E190)	2143
13-A	Split Base for 5" I.D. Pipe (For Details see Pl. E190)	2145
13-B	Junction Box Clamp Type Base for 4" I.D. Pipe (For Details see Pl. E115)	2147-11
13-C	Junction Box Clamp Type Base for 5" I.D. Pipe (For Details see Pl. E115)	2148-11
14	Anchor Bolt, ¾" x 24" Lg., with Nut and Washer (For Details see Pl. E190)	

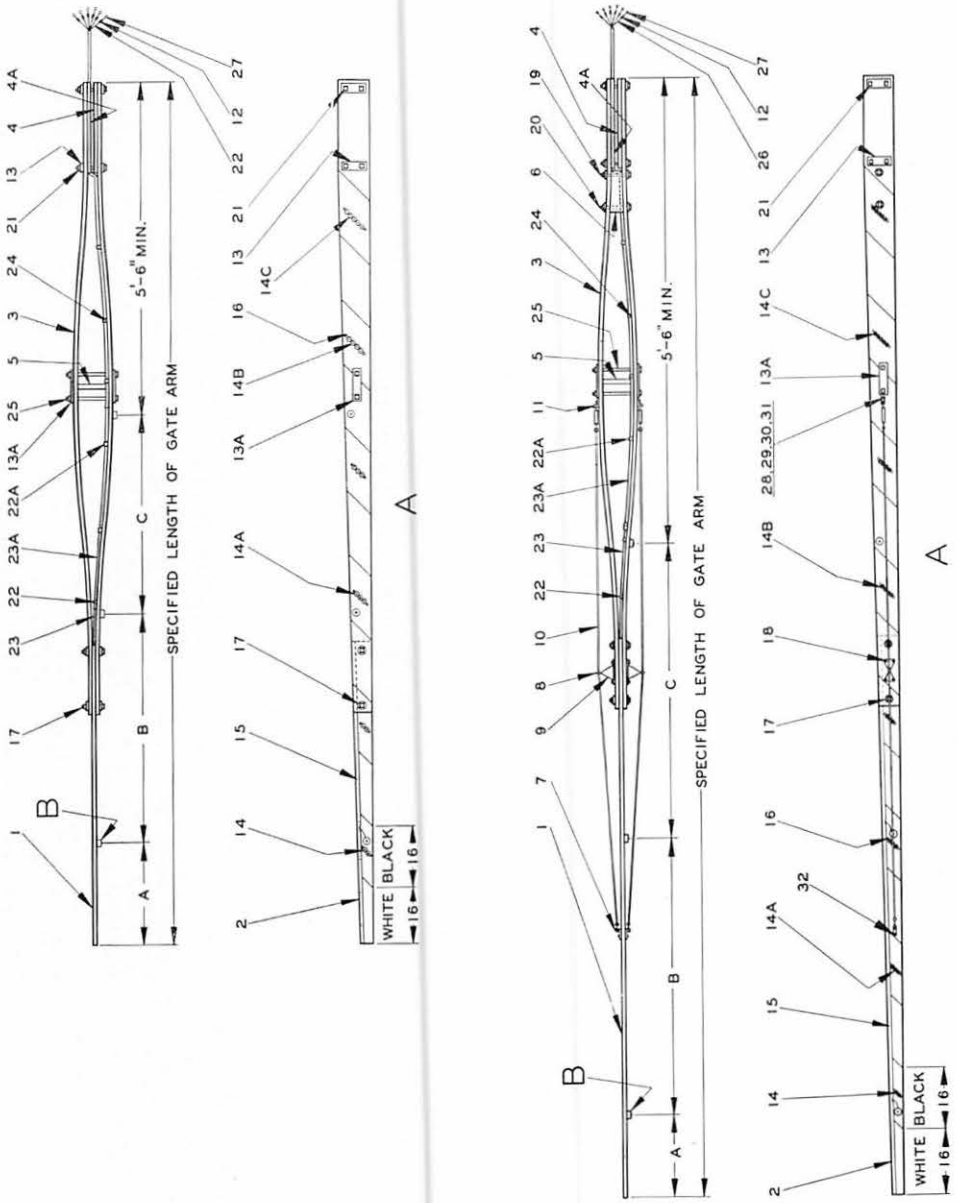
Note: Roundels Available for Flashing Lights Units are:
CL-17, 30° Horizontal Spread.
5319, 160° Horizontal Spread, 12° Down Deflection.
5321, 20° Deflecting.
5323, 30° Horizontal Spread, 15° Down Deflection.
5327, 20° Horizontal Spread, 32° Down Deflection.
5332, 70° Horizontal Spread.
5333, Diffusion-deflection Type, With Horizontal and Downward Spread.

MEMORANDA

WESTERN RAILROAD SUPPLY COMPANY

Roadway Arms 14' to 24' Long
For Model 10 Signals

ASSEMBLIES AND REPLACEMENT PARTS
For Signal Assemblies Shown on Plate G254



WESTERN RAILROAD SUPPLY COMPANY

Roadway Arms 14' to 24' Long
For Model 10 Signals

ASSEMBLIES AND REPLACEMENT PARTS
For Signal Assemblies Shown on Plate G254

ORDERING REFERENCE
Specify Plate G256, Reference Number, Description and Piece Number

Ref. No.	Description	Piece No.
A	Assembly of Roadway Arm Complete with Wiring (Less Lights) (Specify Length of Roadway Arm and Dimensions "A", "B", "C")	3561-34L
A-1	Assembly of Roadway Arm Complete (Less Wiring, Lights and Reflector Buttons) (Specify Length of Roadway Arm)	3561-60
B	Assembly of Terminal Block (for Details see Pl. G200)	3561-196
1	Tongue (See Table)	
2	Reenforcing Channel (See Table)	
3	Side Board (See Table)	
4	Left Hand Filler Block	3561-24
5	Right Hand Filler Block	3561-25
6	Filler Block	3561-90
7	Hex. Nut 3/16"-24	
8	Retaining Clip	3561-54
9	Spanner Brace	3561-50
10	Cable Subassembly	3561-68
11	Bracket	3561-49A
12	Tag	5600-6
13	Washer Plate	3561-37
13A	Washer Plate	3561-37A
14	Crystal Reflector Button (2 Button Chain)	3562-170-2
14A	Crystal Reflector Button (3 Button Chain)	3562-170-3
14B	Crystal Reflector Button (4 Button Chain)	3562-170-4
14C	Crystal Reflector Button (5 Button Chain)	3562-170-5
15	Wood Screw #6 x 5/8" Lg. Rd. Hd. Brass (N.P.)	
16	Wood Screw #8 x 1/2" Lg. Theft Resisting, Brass (N.P.)	
17	Mach. Bolt 3/8"-16 x 3" Lg. Sq. Hd., Hex. Nut and Two Plain Washers	
18	Wood Screw, #10 x 1" Lg., Rd. Hd	
19	Mach. Bolt 3/8"-16 x 4 1/4" Lg. Sq. Hd., Hex. Nut and Two Plain Washers	
20	Mach. Bolt 3/8"-16 x 5" Lg. Sq. Hd., Hex. Nut and Two Plain Washers	
21	Mach. Bolt 3/8"-16 x 4 1/4" Lg. Sq. Hd., Hex. Nut and Lock Washer	
22	Clip for 3/8" Loom	3562-95
22A	Clip for 1/2" Loom	3562-96
23	3/8" Duroduct Loom (Specify Length)	
23A	1/2" Duroduct Loom (Specify Length)	
24	Wood Screw #12 x 3/4" Lg. Rd. Hd. Brass (N.P.)	
25	Mach. Bolt 3/8" x (See Table for Length)	
26	Wire #14, 2/64, 30% S.C. Flex. S.B., W. P. Finish, 19/.0147 (Specify Length)	90913
27	Terminal	31906

WESTERN RAILROAD SUPPLY COMPANY

Roadway Arms 14' to 24' Long For Model 10 Signals

ASSEMBLIES AND REPLACEMENT PARTS

For Signal Assemblies Shown on Plate G254
(Continued)

ORDERING REFERENCE
Specify Plate G256, Reference Number, Description and Piece Number

Ref. No.	Description	Piece No.
28	Mach. Bolt 3/16"-24 x 1¼" Lg. Hex. Hd., Hex. Nut and Washer	
29	Mach. Screw, #10-24 x 1½" Lg., Rd. Hd., Hex. Nut and Plain Washer	
30	Hex. Nut #10-24	
31	Hex. Nut #10-24, Left Hand Thread	
32	Hex. Nut, 3/16"-24	

Table

Specified Length of Gate Arm	Tongue	Reenforcing Channel	Sideboard	Spacer Bolt
14'	3561–45	3561–64B	3561–44	5¼"
16'	3561–57	3561–64B	3561–56	5¾"
18'	3561–28	3561–64	3561–26	6¼"
20'	3561–59	3561–64	3561–58	7¼"
24'	3561–47	3561–63	3561–46	10"

Note: For intermediate gate lengths not listed, always choose next larger length.

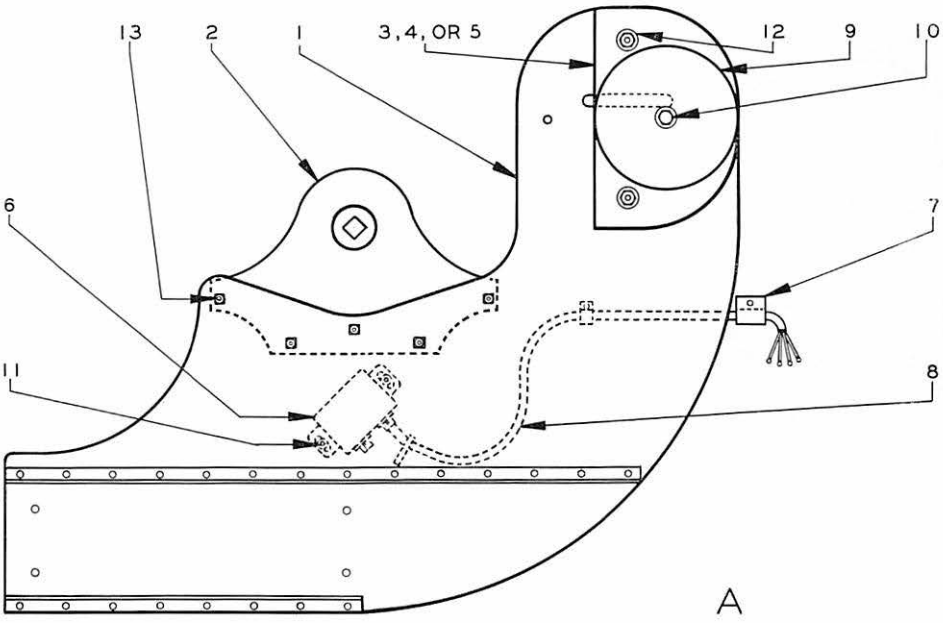
WHEN ORDERING SIDE BOARDS, REF. 3, SPECIFY WHETHER FOR USE ON "FIELD" SIDE OR "TRACK" SIDE OF GATE ARM.

WESTERN RAILROAD SUPPLY COMPANY

Left Hand Mounting Plate For Model 10 Signals

ASSEMBLIES AND REPLACEMENT PARTS

For Signal Assemblies Shown on Plate G254



ORDERING REFERENCE

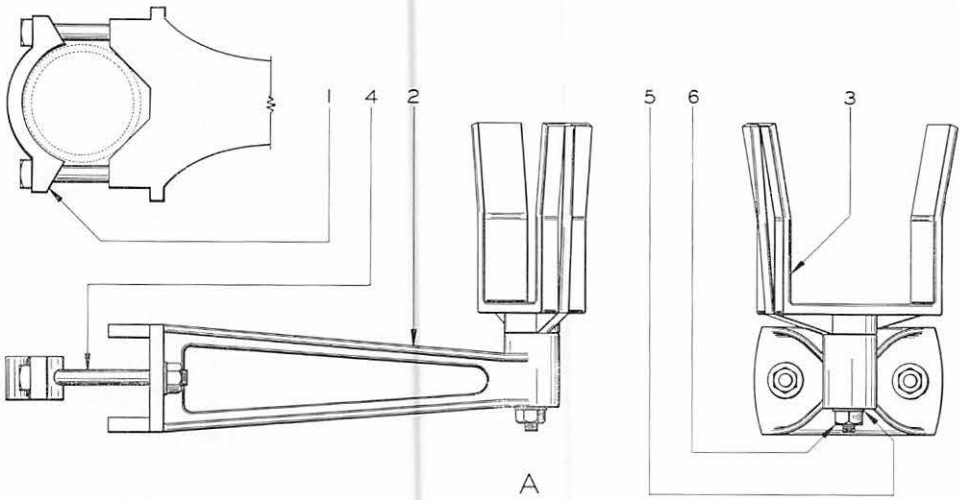
Specify Plate G258, Reference Number, Description and Piece Number

Ref. No.	Description	Piece No.
A	Left Hand Mounting Plate, Complete as Shown (Specify Length of Roadway Arm)	3561–13L
A-1	Left Hand Mounting Plate Complete, Less Items 3, 4, 5, 9, 10 and 12	3561–13LA
1	Left Hand Mounting Plate with Guide Angles Only	3561–84
2	A.A.R. Spectacle Hub	T-21050–A
3	75 Lb. Weight	3561–40
4	51 Lb. Weight	3561–41
5	12.5 Lb. Weight	3561–43
6	Junction Box Assembly	3561–71
7	Retaining Clip for Cable	3561–72
8	Cable Subassembly	3561–74
9	Disc (⅛″ Thick)	3561–42
10	Cap Screw, ½″-13 x (Specify Length), Hex. Hd	
11	Cap Screw, 5/16″-18 x ¾″ Lg., Hex. Hd. and Plain Washer	
12	Mach. Bolt, ½″-13 x (Specify Length), Hex. Hd. and 2 Plain Washers	
13	Mach. Bolt, ⅜″-16 x 1¼″ Lg., Sq. Hd., Hex. Nut, and Lock Washer	

WESTERN RAILROAD SUPPLY COMPANY

Stop Bracket
For Model 10 Signals

ASSEMBLIES AND REPLACEMENT PARTS
For Signal Assemblies Shown on Plate G254



ORDERING REFERENCE
Specify Plate G260, Reference Number, Description and Piece Number

Ref. No.	Description	Piece No.
A	Stop Bracket Assembly Complete (For 5″ Pipe Mounting)	3561-14A
A-1	Stop Bracket Assembly Complete (For 4″ Pipe Mounting)	3561-14
1	Mounting Clamp for 5″ I.D. Pipe	3561-92
1A	Mounting Clamp for 4″ I.D. Pipe	3561-93
2	Arm for Stop Bracket	3561-15
3	Guide	3561-22
4	Mach. Bolt, ¾″-10 x 7½″ Lg., Sq. Hd., Hex. Nut and Plain Washer (For 5″ Pipe Mounting)	
4A	Mach. Bolt, ¾″-10 x 6½″ Lg., Sq. Hd., Hex. Nut and Plain Washer (For 4″ Pipe Mounting)	
5	Plain Steel Washer, ⅝″	
6	Steel Hex. Nut 1⅝″-11	

W
RRS